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MOLLUSCA

COMPILED BY

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I.—TITLES

Direction 14. Addition to the "Official List of Family-Group Names in Zoology," or, as the case may be, to the "Official Index of Rejected and Invalid Family-Group Names in Zoology" of the family-group names involved in the applications relating to the names of ammonites published in volume 2 of the "Bulletin of Zoological Nomenclature." Opin. int. Comm. zool. Nom. 10 1955 : 463-480.

Direction 27. Addition to the "Official List of Family-Group Names in Zoology" of family group names based upon the names of certain genera of non-marine Mollusca placed on the "Official List of Generic Names in Zoology" by the ruling given in Opinion 335. Opin. int. Comm. zool. Nom. 10 1955 : 481-492.

Opinion 215. Emendation to *Palaeoneilo* of the generic name *Palaeoneilo* Hall, 1869. Opin. int. Comm. zool. Nom. 4 1954 : 51-62.

Opinion 217. Designation under the plenary powers, of a type species for the genus *Erycina* Lamarck, 1805 (Class Pelecypoda) in harmony with accustomed usage. Opin. int. Comm. zool. Nom. 4 1954 : 73-82.

Opinion 221. Emendation to *macfarlandi* of the specific name published as *mcfarlandi* Cockerell, 1902 in the combination *Chromodoris mcfarlandi*. Opin. int. Comm. zool. Nom. 4 1954 : 115-124.

Opinion 225. Validation, under the plenary powers, of *Belone* Cuvier, 1817 (Class Pisces) and *Raphistoma* Hall, 1847 (Class Gastropoda). Opin. int. Comm. zool. Nom. 4 1954 : 161-176.

Opinion 233. Suppression, under the plenary powers, of the name *Octopodia* Schneider, 1784 (Class Cephalopoda), and of certain reputed names published by the same author in 1784. Opin. int. Comm. zool. Nom. 4 1954 : 275-296.

Opinion 235. Designation, under the plenary powers, of a lectotype for the nominal species *Ammonites cordatus* Sowerby (J.) 1813. Opin. int. Comm. zool. Nom. 4 1954 : 313-328.

Opinion 237. Addition of the generic name *Tonna* Brünnich, 1771 (Class Gastropoda) to the Official List of Generic Names in Zoology. Opin. int. Comm. zool. Nom. 4 1954 : 343-350.

Opinion 287. Validation, under the plenary powers, of the generic name *Scaphander* Montfort, 1810. Opin. int. Comm. zool. Nom. 8 1954 : 49-62.

Opinion 292. Validation, under the plenary powers, of the generic name *Cardinia* (Class Lamellibranchiata) as from Agassiz (J.L.R.) [1841] for use in its accustomed sense. Opin. int. Comm. zool. Nom. 8 1954 : 115-130.

Opinion 296. Suppression, under the plenary powers, for nomenclatorial purposes, of volume 3 (*Regnum lapideum*) of the twelfth edition of the *Systema Naturae* of Linnaeus published in 1768 and of the corresponding volume in the Houttuyn (1785), Gmelin (1793), and Turton (1806) editions of the above work. Opin. int. Comm. zool. Nom. 8 1954 : 167-178.

Opinion 300. Validation, under the plenary powers, of the generic name *Sphaeroceras* Bayle, 1878. Opin. int. Comm. zool. Nom. 8 1954 : 237-248.

Opinion 301. Designation, under the plenary powers, of a type species for *Procerites* Siemiradzki 1898 (Class Cephalopoda, Order Ammonoidea) in harmony with accustomed nomenclatorial usage. Opin. int. Comm. zool. Nom. 8 1954 : 249-260.

Opinion 302. Designation, under the plenary powers, of a type species, for the genus *Aulacostephanus* Tornquist, 1896 (Class Cephalopoda, Order Ammonoidea) in harmony with accustomed nomenclatorial usage. Opin. int. Comm. zool. Nom. 8 1954 : 261-272.

Opinion 303. Designation, under the plenary powers, of type species in harmony with current usage for the nominal genera *Kosmoceras*, *Perisphinctes* and *Harpoceras* (Class Cephalopoda, Order Ammonoidea) established by Waagen in 1869. Opin. int. Comm. zool. Nom. 8 1954 : 273-284.

Opinion 304. Suppression, under the plenary powers, of five early generic names for Ammonites (Class Cephalopoda, Order Ammonoidea) now fallen into desuetude. Opin. int. Comm. zool. Nom. 8 1954 : 285-296.

Opinion 335. Addition to the Official List of Generic names in Zoology of the names of thirty-four non-marine genera of the Phylum Mollusca. Opin. int. Comm. zool. Nom. 10 1955 : 45-76.

Opinion 336. Addition to the Official List of specific names in Zoology of the specific names of one hundred and twenty-two non-marine species of the Phylum Mollusca. Opin. int. Comm. zool. Nom. 10 1955 : 77-108.

Opinion 337. Rejection of the generic name "*Arieticerat*" Quenstedt, 1883 (Class Cephalopoda, Order Ammonoidea) and addition of the name "*Arieticerat*" Seguenza, 1885 to the Official List of Generic names in Zoology. Opin. int. Comm. zool. Nom. 10 1955 : 109-124.

Opinion 338. Acceptance of the mesozoic fossil species "*Gryphaea arcuata*" Lamarck, 1801, as the type species of the nominal genus "*Gryphaea*" Lamarck, 1801 and addition of the generic name "*Gryphaea*" Lamarck, 1801 (Class Pelecypoda) to the Official List of Generic names in Zoology. Opin. int. Comm. zool. Nom. 10 1955 : 125-180, 1 pl.

Opinion 344. Validation under the plenary powers of the generic name "*Truncatella*" Risso, 1826, and addition of that name and the names "*Acmacea*" Eschscholtz, 1833, and "*Acicula*" Hartmann, 1821 (Class Gastropoda) to the "Official List of Generic Names in Zoology." Opin. int. Comm. zool. Nom. 10 1955 : 313-352.

Opinion 351. Acceptance of the recommendation to *Dreissena* of the generic name *Dreissena* van Beneden 1835. (Class Pelecypoda.) Opin. int. Comm. zool. Nom. 11 1955 : 1-24.

Opinion 353. Validation under the plenary powers of the generic name "*Lophites*" Neumayr, 1875 (Class Cephalopoda, Order Ammonoidea). Opin. int. Comm. zool. Nom. 11 1955 : 47-78.

Opinion 354. Addition to the Official List of Specific Names in Zoology of the specific name *fasciata* Poiret, 1789, as published in the combination *Laplysia* [recte *Aplysia*] *fasciata* (Class Gastropoda). Opin. int. Comm. zool. Nom. 11 1955 : 79-90.

Opinion 355. Validation, under the Plenary Powers, of the specific name "*punctata*" Cuvier, 1803, as published in the combination *Laplysia* [recte "*Aphysia*"] *punctata* (Class Gastropoda). Opin. int. Comm. zool. Nom. 11 1955 : 91-102.

Opinion 356. Addition to the Official List of Family-Group Names in Zoology of the names of the family-group taxa having *Ostrea* Linnaeus, 1758, and *Gryphaea* Lamarck, 1801 (Class Pelecypoda) as their respective type genera (*Opinion* supplementary to *Opinion* 338). Opin. int. Comm. zool. Nom. 11 1955 : 103-112.

Opinion 360. Validation under the plenary powers of the specific name "*knorrii*" Voltz, 1828 as published in the combination *Ostrea knorrii*. Opin. int. Comm. zool. Nom. 11 1955 : 151-160.

Opinion 361. Validation under the plenary powers of the generic name "*Antalis*" Adams (H.) & Adams (A.) [1854]. [Class Scaphopoda]. Opin. int. Comm. zool. Nom. 11 1955 : 161-172.

Opinion 362. Rejection for nomenclatorial purposes of Geoffroy (E. L.) 1767, "*Traité Sommaire des Coquilles, tant fluviales que terrestres, qui se trouvent aux environs de Paris.*" Opin. int. Comm. zool. Nom. 11 1955 : 173-182.

Opinion 363. Designation, under the plenary powers, of a type species in harmony with accustomed usage for the nominal genus "*Ancylus*" Müller (O. F.) 1774. (Class Gastropoda.) Opin. int. Comm. zool. Nom. 11 1955 : 183-202.

Opinion 364. Addition of the name "*Ancylastrum*" Bourguignat, February 1853 (Class Gastropoda) to the Official List of Generic Names in Zoology with "*Ancylus* (*Ancylastrum*) *cumingianus*" Bourguignat, May 1853, as the type species of the genus named. Opin. int. Comm. zool. Nom. 11 1955 : 203-214.

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II.—SUBJECT INDEX

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GENERAL LITERATURE

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Australia.—*Parorchis acanthus* v. *australis* cercaria parasitic in snails, in S. Australia, **L. M. Angel**; Mesozoic stratigraphy of the Canning Desert and Fitzroy Valley, Western Australia, **R. O. Brunnschweiler**; Mollusca of the raised beaches of South Australia, **R. L. Crocker & B. C. Cotton**; Australian Nuculanidae Tertiary and recent, **R. K. Dell** (6); Tertiary fossils from Melbourne, Australia, **Gill & Baker**; New Oligocene *Aturia* from South Australia, **M. F. Glaessner**; New Cretaceous and Tertiary nautiloids from Western Australia, **Glenister, Miller & Furnish**; Snails from Betsy Island, Tasmania, **A. M. Hewer**; Systematic list of Tasmanian molluscs, **R. C. Kershaw**; Literature relative to molluscs from Victoria, Australia, **R. C. Kershaw** (1); Studies on Australian Charopidae, **R. C. Kershaw** (2); Studies on Australian Charopidae, **R. C. Kershaw** (3); Pliocene molluscs of Adelaide Plains, Australia, **N. H. Ludbrook**; Pliocene mollusca from Adelaide Plains, Australia, **N. H. Ludbrook** (1); New gastropods from N.S.W., Australia, **C. McLauchlan**; New gastropods from Australia, **C. McLauchlan** (1); Cassididae from N.S.W. and Queensland, Australia, **G. Thornley** (1); 2 new molluscs from N.S.W., Australia, **L. Woolcott**.

New Zealand.—Land molluscs of New Zealand, **A. Brookes**; *Amphidesma ventricosum* from New Zealand, **R. M. Cassie**; Molluscs of Pyramid Valley swamp, Canterbury, New Zealand, **E. S. Deevey**; Molluscs from deep-water rocks in New Zealand, **R. K. Dell** (1); Land molluscs of Fiordland, New Zealand, **R. K. Dell** (5); Tertiary and recent Nuculanidae from New Zealand, **R. K. Dell** (6); New Zealand subfossil land molluscs and origin of *Paryphanta*, **R. K. Dell** (7); Freshwater molluscs of New Zealand, **P. Dickinson**; Molluscs from Pyramid Valley Swamp, Canterbury, New Zealand, **J. R. Eyles**; Pliocene molluscs from Campbell Island, New Zealand, **C. A. Fleming** (1); Fossil

mollusc collections in the New Zealand geological survey, **C. A. Fleming** (2); The Suter Collection of New Zealand Mollusca, **C. A. Fleming** (3); Miocene molluscs from New Zealand, **C. A. Fleming** (4); *Paryphanta watti* an extension of range in New Zealand, **N. Gardner**; *Serpho matthewsi* in New Zealand, **N. W. Gardner** (2); The genus *Scrobs* in New Zealand, **A. Hipkins** (1); Mollusca of the southern islands of New Zealand, **A. Powell** (3); Recent fossil molluscs from Wellington harbour, New Zealand, **R. Roberts**; Molluscs of Stewart Island, New Zealand, **E. K. Smith**; Molluscs of Stewart Island, New Zealand, **E. K. Smith** (1); *Notoplax cuneata* in New Zealand, **W. Thomson**; *Austrosuccinea archeyi* from Mount Maunganui, New Zealand, **W. Thomson** (1); Pliocene molluscs from Resolution Island, New Zealand, **Wellman, Reed & Fleming**; New Zealand, mollusca of Kapiti Island, **A. S. & A. Wilkinson**; Introduced land molluscs of New Zealand, **H. Witten**.

Pacific Islands.—Stratigraphy and palaeontology of central New Caledonia, **J. Avias**; Pulau Panaitau Mollusca, **Butot** (2); Solomon Islands on new genus of the Synceridae, **W. S. Clench** (1); Raiatea, Society Islands new *Partula*, **H. E. Crampton**; Terrestrial molluscs from Nissau Island, Solomon Islands, **R. K. Dell** (2); New *Lamellidea* sp. from Solomon Islands, **R. K. Dell** (4); New Philippine species of *Amerianna*, **B. Hubendick** (1); New Caledonian *Placostylus* notes on some species, figs., **T. Pain**; List of molluscs from the Falkland Islands (Islas Malvinas), **R. Ringuelet**.

ETHIOPIAN REGION

East Africa.—East African Vitrinæ, **B. Hubendick** (4).

West Africa.—Veronicellidae from Fernando Po Island, West Africa, **L. Forcart** (1); Homeomorphy in Nigerian Cretaceous ammonites, **R. A. Reyment**.

Central Africa.—Tanganyika *Caelatura aegyptiaca calathus* Brgt., **J. Bouillon**; Freshwater molluscs of Uganda, **G. Mandahl-Barth**; *Syrnolopsis* and *Aceya* anatomy of Tanganyikan forms, **Mandahl-Barth** (1); New *Lanistes* species from Africa, **T. Pain**; New slugs from the Gughé Highlands, Southern Ethiopia, **H. Quick**; Planorbidae, nom-

enclature of African forms, **J. Schwetz**; Molluscs as carriers of bilharziosis in Africa, **J. Schwetz** (2).

South Africa.—South African shore life, **K. H. Barnard**; Molluscs from Mozambique, **J. M. Braga**; New Cretaceous ammonites from Zululand, **E. v. Hoepen**; New Cretaceous ammonites from Zululand, **E. van Hoepen** (1); New Cretaceous ammonites from Zululand, **E. van Hoepen** (2).

Indian Ocean Islands.—First record of *Zonitoides arboreus* from Madagascar, **R. P[aulian]**.

Atlantic Islands.—Azores: aspects of fauna and flora, **G. Chapman**; Jamaican Rudist types of Whitfield from the Cretaceous, **L. J. Chubb**; The Cretaceous Succession in Jamaica, **L. J. Chubb** (1); A new *Murex* from Cuba, **W. J. Clench**; Hitherto unpublished note by Dr. C. de la Torre on *Polymitas* from Cuba, **J. A. Conde**; Miocene Pectinidae from Santa Maria (Azores), **O. da V. Ferreira**.

NEARCTIC REGION

Iceland.—Fossils of the Klimageschichte Islands, **M. Schwarzbach**.

Alaska.—Jurassic molluscs from Alaska, **R. W. Imlay**; Alaska, distribution and ecology of marine invertebrates, **G. E. MacGinitie**.

Canada.—*Viviparus viviparus* L. in eastern Canada, **E. L. Bousfield**; Ordovician molluscs from British Columbia, **T. Kobayashi** (3); Canada Cape Breton, Land and Freshwater Gastropoda, **G. K. MacMillan**; Ontario, Shells collected in Loughborough Lake, **W. A. Swanker**; New Cenomanian ammonites from Alberta, Canada, **Warren & Stelck**.

North America.—The Carboniferous fossil *Tylonautilus* in America, **Miller & Furnish** (2); Fossil molluscs from N. America, **D. Taylor**; West North American Pleistocene Upwelling and thermally anomalous faunas, **J. W. Valentine**.

United States as a whole.—Organic matter in relation to distribution of pelecypods, **R. E. Bader**; New Chazyan Orthocones from the Champlain Basin, of North America, **R. H. Flower** (2); Trails and tentacular impressions of cephalopods in the Corryville of Cincinnati, America, **R. H. Flower** (3).

North Eastern United States.—Shells of Fire Island, near Long Island, U.S.A., **C. Ahders**; Virginian Land snails and their relation to ecological soil factors, **J. B. Burch**; Virginia, Land snails of Hanover, Henrico and Chesterfield Counties, **J. B. Burch** (1); New species of *Endolobus* from Carboniferous of Kentucky, **C. Collinson**; Mississippian *Goniatites* from Illinois and adjacent states, **C. W. Collinson** (1); Minnesota land snails, **G. Dawley**; Ohio, confirmation of occurrence of *Pallifera fosteri* **F. C. Baker** into north-eastern districts, **H. W. Dexter**; A new *Emarginula* from the Cretaceous New Jersey, **C. J. Eichman**; Palaeontology of the Ordovician of Missouri, **R. Heller**; Iowa, occurrence of *Discus macclintocki* in Bixby State Park, **Hubricht** (6); Carboniferous cephalopods from Michigan, **Miller & Garner**; Illinois, Ecological aspects of Unionid fauna of Lake Springfield, **P. W. Parmalee**; New Ordovician molluscs from Minnesota, **L. Powell**; Land and fresh-water molluscs of Great Neck, Long Island, New York, **E. Slater**; Cretaceous molluscs of New Jersey, **L. W. Stephenson**; Cretaceous molluscs from Missouri, **L. W. Stephenson** (2); Paleocology of the Maquoketa coquina beds at Graf, Iowa, **P. Tasch** (1); Miocene pearls from the Atlantic Coastal Plain, Baltimore, **H. Vokes**.

South Eastern United States.—Pliocene Pyramidellidae from Florida, **P. Bartsch**; Palaeocology of the Weches formation (Eocene) of Texas, **N. M. Curtis**; Florida, Oysters of the Crystal River, **C. E. Dawson**; Oklahoma additional localities for Land mollusca, **D. G. Dundee**; New *Conularia* from the Permian of West Texas, North America, **R. M. Finks**; *Tylonautilus* from the Carboniferous of Oklahoma, **Miller & Furnish** (1); New name for *Hermania* Puri, from the Miocene of Florida, **H. S. Puri**; Mollusca of the Mississippi Delta, **H. G. Rickards** (1); Carboniferous paleocology in Texas, **R. E. Sloan**; Mollusca of the Cenomanian of Texas, **L. W. Stephenson** (1); Mollusca of Lake Texoma (Denison Reservoir) Oklahoma and Texas, **J. E. Sublette**; Georgia: The mollusca of Warm Springs, **M. C. Teskey** (1).

Western United States.—Cretaceous gastropoda from Baja California,

Mexico, **E. C. Allison**; Albany County, Wyoming, 28 Land and 17 Freshwater molluscs found, **D. E. Beetle**; A new species of *Monadenia* from Tuolumne Co., California, figs., **G. S. Berry**; A new species of *Discus* from the Mission Range, Montana, figs., **S. S. Berry** (2); Possible nautiloid mandibles from the Permian of Arizona, **L. F. Brady**; *Protocanites* (*Goniatite*) in the Mississippian of north-eastern Nevada, **W. M. Furnish** (1); Common sea shells of Los Angeles County coast, **Hill & Tompkins**; Stratigraphical implications of *Belemnitella praecursor* in Kansas, **J. A. Jeletzky** (2); Triassic fauna of Idaho, U.S.A., **B. Kummel**; Inter-tidal edible molluscs of Oregon, **J. McCauley**; Western Montana and *Magnipelta mycophaga* Pils., fig., **Pilsbry & Brunson**; South Dakota new records, **E. S. Roscoe** (1); Thayer area, Neosho Co., Kansas a type locality of *Triodopsis cragini*, Call., **E. J. & L. D. Roscoe**; Utah, Gastropod fauna of the Brighton Area, Wasatch Mountains, **E. J. & L. D. Roscoe**; Ordovician cephalopods from central Colorado, **W. C. Sweet** (1); Palaeozoic cephalopods from Wyoming and Utah, **W. C. Sweet** (2).

CENTRAL AMERICAN REGION

Mexico.—*Didymotis* from the Cretaceous, **R. W. Imlay** (1); *Lymnaea obrussa* as an intermediate host of *Fasciola hepatica*, in Mexico, **L. Mazzotti**; New *Durania* spp. from the Mexican Cretaceous, **F. K. Mullerried**; New Helicidae, **A. Solem**.

West Indies.—List of Cuban molluscs, **C. Aguayo**; Trinidad, *Didymotis* from the Cretaceous, **R. W. Imlay** (1); List of the Cuban species of *Liguus* **M. Jaume**; New species of *Liguus* from Cuba, **M. Jaume** (1); *Aturia peruviana* from the Tertiary of Costa Rica, **Miller, Furnish & Paguaga**; Cuba, new subspecies, of *Polymita*, **C. de la Torre**; Prolific increase of *Ampularia* introduced to the Caguitas river, Puerto Rico, W.I., **F. Watlington**.

SOUTH AMERICAN REGION

Colombia.—*Didymotis* from the Cretaceous, **R. W. Imlay** (1).

Venezuela.—Pupillidae from northern Venezuela, **S. Arias**; *Didymotis* from the Cretaceous, **R. W. Imlay** (1).

Ecuador.—Subfossil molluscs of Pen. de Santa Elena, **R. Hoffstetter**; Subfossil molluscs from Pen. Santa Elena, **R. Hoffstetter** (1). Subfossil molluscs from the Pen. de Santa Elena, **R. Hoffstetter** (2).

Brazil.—Tertiary fauna of Paraná, Brazil, **K. Beurlen**; Land mollusca, **F. Haas** (5); Limnology of Rio Grande do Sul, **H. Kleerekoper**; Additions and corrections to the Catalogue of Brazilian molluscs, **F. L. de Morretes**; Molluscan *Schistosoma* carriers in Brazil, **H. Sioli**.

Peru.—New land mollusca, **F. Haas** (5); Lake Titicaca gastropoda, **F. Haas** (6).

Chile.—*Aturia* from Southern Chile, **Miller & Furnish**.

Argentina.—*Eurydesma* from the Permian of eastern Argentina, **H. J. Harrington**; Tertiary (?) *Strophocheilus*, **J. Parodiz** (2); New species of *Plectostylus*, **J. Parodiz** (4); Cambrian and Ordovician molluscs from Mendoza, **C. Rusconi**; New molluscs from the Cerro Colorado, **M. Scott**; New molluscs from north-western Argentina, **M. Scott** (1); New species of *Nenia* Clausiliidae, **M. I. Scott** (2); New species of *Epiphragmophora* **M. I. H. Scott** (3); Limnæidae, **M. I. H. Scott** (4); New species of *Bostryx*, **M. I. H. Scott** (5); New species of *Hemisinus*, **M. I. Scott** (6).

Patagonia.—New Eocene gastropod, **J. J. Parodiz**.

(β) Marine

ARCTIC

Arctic Seas.—Arctic pelceypod fauna analysis, **D. Nicol**; New and known Trochidae from the Northern and Far-Eastern seas of Russia, **Galkin**.

NORTH TEMPERATE

Eastern North Atlantic.—Aplacophora and Placophora from the Baltic and the North Sea, **S. Jaekel**; New Opisthobranchiata from France, **E. & E. Marcus** (1); Sweden S.-W. coast, A new *Lepidomena*, **M. Schwabl**; Mollusca of Stockholm and vicinity, **H. W. Waldin**; Gasteropod larvae in north-western Norway, p. 197, **K. Wilborg**.

Gulf of Mexico.—Summary of information on Oysters, **P. A. Butler**; Effect on invertebrate fauna of salinity changes in bays of central Texas, **E. H.**

Parker; Marine shells of the west coast of Florida, **Perry & Schwengel**; A new Florida cone, figs., **H. A. Pilsbry**; Zoological notes and lists of species of the Gulf of Mexico, **H. A. Rehder**; Oyster industry of the United States Gulf Coast, **G. Schlesselman**; Gulf of Mexico—Cephalopoda, **G. Voss** (1); Gulf of Mexico—On the Oyster reefs, **W. A. Price**.

Mediterranean.—New *Oncidiella* from Cap Blanc, Tunisia, **Gabe & Prenant**; Sicily Faunules of Lakes Marsala, Ganzirri and Faro, **P. Mars**; Molluscs from the northern Adriatic, **Nümann & Beth**; The Lamellibranchs of Padern (Aude) S. France, **G. Petter-Receveur**; The Eastern Mediterranean and distribution of Cephalopods therein, **W. J. Rees**; Molluscs of Tremiti islands, Adriatic Sea and Pianosa island, off west Italy, **C. Sacchi** (5).

Eastern Pacific.—Californian occurrences of *Ocythoe tuberculata*, Raf., **S. S. Berry** (1); G. of Californian *Phyllonotus*, **J. & C. Cate**; California, occurrence of *Alderia modesta* Loven on the central coast, figs., **Hand & Steinberg**; New Lima from deep water off Central California, **L. G. Hertlein**; Mollusca from benthos samples from San Pedro Basin, California, **N. J. Mattox** (1); A new species of *Tretoniopsis* from Southern California, figs., **N. T. Mattox** (2); List of molluscs, collected from Alamitos Bay, California, p. 114, 115, **Reish & Winter**; West Coast of America Arcidae, figs., **H. Rost**; Review of Chitons of West Coast of N. America, **A. G. Smith**; Shells from South-east Farallon Island, California, **A. G. Smith** (1); Rare chiton from deep water off Central California, **Smith & Hanna**; Mytilidae of the West Coast of America, **T. Soot-Ryen**; A new species of *Aplysia* from S. California, figs., **Winkler**.

Western Pacific.—Japanese species of Conidae, **Anon**; *Notarchus* species from Japan, **K. Baba**; Eastern Pacific Muricea. A systematic outline, **J. Q. Burch**; Ringiculidae and Retusidae in Japan, **T. Habe**; Hydatinidae, Bullidae and Akeridae in Japanese waters, **T. Habe** (1); Shells of the Japanese Islands and adjacent waters, **S. Hirase**; Ecology of Japanese oyster beds, **Ito & Imai**; New *Pleurotomaria* from Japan, **T. Kuroda**; Volutidae of Japan, **Kuroda & Habe**; *Perotrochus* dredged near

the Izu Islands, Japan, **H. Niino**; New species of *Carinaria* from Japanese waters, **T. Okutani**; Chitons round Japanese Islands: *Stenoplax*, **I. Taki**; Chitons from the waters round Japanese islands, **I. Taki** (1); Atlantidae from Japanese waters, **T. Tokioka** (1); New species of *Atlanta* from Japanese waters, **T. Tokioka** (2).

TROPICAL AND SUBTROPICAL

East Atlantic.—New molluscs from West African coastal waters, **W. Adam**; New species from the Ivory Coast, **W. Africa, E. Binder**; West Africa a new *Trivia*, **J. Knudsen**; *Aplysia* from the South African coast, **W. Macnae**.

Western Atlantic.—*Littorina obtusata* and its variation in the North Atlantic, **J. Knudsen** (1); *Ostrea edulis* in American waters, **V. Loosanoff**; A new *Tropicorbis* from N.-E. Brazil, **D. T. de Lucena**; New Floridan marine mollusca, **T. L. McGinty**; Occurrences of *Spirula* animal at Boynton Beach, Florida, **T. L. McGinty** (1); Marine shells of the west coast of Florida, **Perry & Schwengel**; Teredinidae from the East and West Indies, **[G.] F. Roch** (1); New *Conus* from Costa Rica, figs., **J. S. Schwengel**; Two new records of *Strombus* spp. from Jamaica, **V. A. Zans**.

Eastern Pacific.—New chiton from Ecuador, **E. Leloup**; West Mexico and Panama fauna, **[A. M. Strong]**; Mitridae and Volutidae of West Mexico and Panama, **[A. M. Strong]** (1); Naticidae of Western Mexico and Panama, **[A. M. Strong]** (2); Columbidae of Western Mexico and Panama, **[A. M. Strong]** (3).

Indian Ocean.—Nassidae of Indo-China, **M. Marche-Marchad**; Cymatiidae and Bursidae from Indo-China, **I. Marche-Marchad** (1); Marine molluscs of Agalega Isle, Chagos archipelago, Indian Ocean, **H. Poisson**; Marine Gastropoda of Bombay, **Subrahmanyam, Karandiker & Murti**; Cowries of the East Africa coasts, **B. Verdcourt**.

SOUTH TEMPERATE AND SUBANTARCTIC

Western Atlantic.—New *Thais* spp from Brazil, **F. L. de Morretes**; New Brazilian molluscs, **F. L. de Morretes**

(1); New marine gastropods from Argentine and Uruguay, **A. Carcelles**; South American species of *Argobuccinum*, **A. Carcelles** (1); Observations on *Nucella*, *Chorus* and *Concholepas* in South America, **A. Carcelles** (2); New species of *Sunetta* from Buenos Aires, **M. D. Jurado**; New Opisthobranchia from Brazil, **E. Marcus**.

Southern and Western Pacific.—A new *Pecten* subspecies from Byron Bay, N. S. Wales, **C. A. Fleming**; *Placostylus gracilis* from Viti Levu, Fiji, **E. & N. Gardner**; Revision of *Pinctada* spp. the Australian pearl-shells, **J. S. Hynd**; New Cephalopods from Australia, **T. Iredale** (2); New albino *Volutes* from Australia, **N. Jackson**; Revision of the Turridae of New South Wales, **C. F. Laseron**; Revision of Liotiidae of New South Wales, Australia, **C. Laseron**; New South Wales Eulimoid shells, **C. F. Laseron** (2); New Triphoridae from Australia, **C. F. Laseron** (5); Patellidae and Acmaeidae in Australia, **J. H. MacPherson**; Tasmanian scallop fisheries, **A. M. Olsen**; Opisthobranchiate gastropods from Hawaii, **J. M. Ostergaard**.

Southern Ocean.—Studies on *Notovola meridionalis* from Tasmania, **A. M. Olsen**; List of additions to the recent molluscs of New Zealand, **A. Powell**; *Liarea* from New Zealand, **A. W. B. Powell** (2); Adelaide gales and shells, **K. Rutland**; *Iredalina aurantia* from New Zealand coastal waters, **S. Tringance** (1); Cassididae in the Leigh district of New Zealand, **T. Warren**; *Ellatrica memorata* from New Zealand, **K. Watene**; Amphineura from Mt. Maunganui, New Zealand, **G. Williams** (2).

(B) Geological

Quaternary.—Sub-recent gastropod from Singapore, bored through by a predator, **F. E. S. Alexander**; Quaternary molluscs from Casablanca, **P. Biberson**; List of Pleistocene and Holocene fossils from Belgium, **J. de H. Braucourt** (1); Mollusca of the raised beaches of South Australia, **R. L. Crocker**; Holocene *Acanthinula lamellata* in the Isle of Wight, **A. G. Davis**; New Zealand subfossil land molluscs, and origin of *Paryphanta*, **R. K. Dell** (7); Recent and Holocene mollusca from Hanover, Germany, **H.-O. Grahle**;

Subfossil molluscs of Pen. de Santa Elena, Ecuador, **R. Hoffstetter**; Subfossil molluscs from Pen de Santa Elena, Ecuador, **R. Hoffstetter** (1); Faunal analysis of molluscs from raised beach deposits of Kamakura, Japan, **S. Kanno**; Quaternary molluscs of Czechoslovakia, **V. Ložek** (2); Quaternary fossils from Spain, **N. Solé**; Four Quaternary deposits in the Cambridge area and list of species, **R. W. Sparks**; Quaternary fauna of Livorno, Italy, **G. Tavani** (2); The mollusca of the Clacton Channel deposits, Essex, **S. H. Warren**.

Pleistocene.—A new Pleistocene *Myodora* from Japan, **T. Habe** (2); Pleistocene fauna of Sicily, **Malatesta & Nicosia**; Pleistocene of Komárňáros, Hungary, **D. I. Molnárné**; Pleistocene mollusca from the submarine canyon Hudson River, **Richards & Ruhle**; New molluscs from North America, **D. Taylor**; Interglacial molluscs from Warsaw, **J. Urbanóki**; Pleistocene upwelling and thermally anomalous faunas of the Pacific Coast, **J. W. Valentine**.

Tertiary.—Tertiary molluscs of Germany, **A. Bernhauser**; Tertiary fauna of Paraná, Brazil, **K. Beurlen**; Distribution and variation of *Cepaea*, **C. Boettger** (3); Check list of Australasian Tertiary Nucinulidae, **R. K. Dell** (6); Tertiary littoral gastropods, **P.-H. Fischer** (5); Tertiary fossils from Melbourne, Australia, **Gill & Baker**; New Tertiary Nautiloids from Western Australia, **Glenister Miller & Furnish**; Tertiary molluscs from Fukushima Prefecture, Japan, **K. Hirayama** (3); Tertiary mollusca from Nagasaki Prefecture, Japan, **S. Kanno** (2); *Aturia peruviana* from the Tertiary of Costa Rica, **A. K. Miller Furnish & Paguaga**; *Conchocele compacta* from the Tertiary of Japan, **M. Ômori**; New Tertiary species of *Propeamussium* from Japan, **M. Ômori** (1); Tertiary molluscs in a limestone boulder from Gunma Prefecture, Japan, **Ozaki & Shikama**; Tertiary fauna of Kythera, Greece, **A. Popp**; Tertiary (?) *Strophocheilus* from Argentina, **J. Parodiz** (2); Hydrogeology of the Tertiary of Arta, Greece, **P. Psarianos** (1); Early Tertiary in Israel, **Z. Reiss**; Molluscs from the Tertiary of Austria, **F. Sauerzopf** (2); Tertiary molluscs from South Nagano Prefecture, Japan, **T. Shikama** (1); *Amussiopecten* from the

Tertiary of Miyazaki Prefecture, Japan, **T. Shuto**; Tertiary Teredinidae from Austria, **A. F. Tauber**; Fossil molluscs from the Palaeogene of Hokkaido, Japan, **S. Uozumi**; Tertiary and Recent Solemyacidae, **H. E. Vokes** (1).

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Silurian.—Trails and tentacular impressions of cephalopods in the Corryville of Cincinnati, America, **R. H. Flower** (3); New Silurian gastropods from central Bohemia, **R. Horný**; List of fossils (pp. 110–112) from the

Silurian May Hill inlier, Gloucestershire, **J. D. Lawson**; Pectinidae of the Silurian of Bohemia, **B. Růžicka**; A Silurian Lamellibranch from Bohemia, **B. Růžicka**; Paleogeology of the Maquoketa coquina beds at Graf, Iowa, **P. Tasch** (1).

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N.B.—FULL REFERENCES ARE GIVEN ONLY IN THE CASE OF A NEW GENUS, SPECIES OR VARIETY. IN OTHER CASES REFERENCE SHOULD BE MADE TO THE LIST OF TITLES TO THE PAPER BY THE AUTHOR WHOSE NAME IS GIVEN IN THE SHORT REFERENCE IN THE SYSTEMATIC LIST, AND UNDER WHICH, IN THE LIST OF TITLES THE FULL REFERENCE WILL BE FOUND. WHERE FULL REFERENCE IS GIVEN IN THE SYSTEMATIC PART THE VOLUME NUMBER IS GIVEN IN small clarendon.

Note.—The arrangement here used follows in general that of Thiele's *Handbuch*. The most important differences are that Epitonacea and Pyramidellacea are placed immediately preceding Muricea in order of grouping and the families Triviidae and Eratoidae are placed in Lamellariacea.

Where more than one page is given in a reference, the one in roman type

is where the new name is first mentioned and the one in *italic* is where the gen. sp. or var. is actually described.

Polyplacophora

Rupertomenia fodiens gen. et sp. nov. S.W. coast of Sweden, **M. Schwabl**, Öst. Zool. Z. 6, 1955, p. 90, f. 1-16.

Aplacophora and Placophora from the North Sea and the Baltic, **S. Jaekel**.

Chitons in the Museo de la Ciudad Eva Perón, Argentina, **Z. A. de Castellanos**.

CHITONACEA

Chaetopleura unilineata sp. nov. Machalillo, Ecuador, **E. Leloup** Bull. Mus. Hist. nat. Belg. 30 40 1954 : p. 1 f. 1, 2.

Chiton (Radsia) goodalli Broderip, 1832 is thought to equal *C. (R.) chierchiaie* Nierstrasz, 1908, **E. Leloup** (2).

Chiton heterodon and *Chiton peregrinus* a general note, **E. Leloup** (3).

Chiton iatricus winckworthi, var. nov. North of Bhuleji, 20 miles west of Karachi, Pakistan, **P. Kaas** Zool. Meded. 33 1954 : p. 2.

Chitons of West Coast of North America, **A. G. Smith**.

Crypochiton stelleri a note, **E. Leloup** (1).

Ischnochiton karachiensis p. 3 f. 1-6—*I. haersoltei* p. 5 f. 7-9—*I. ranjhai* p. 8 f. 10-14 spp. nov. Manora Island, Karachi, Pakistan **P. Kaas** Zool. Meded. 33 1954.

Lepidopleurus asellus life history, **M. Christiansen**.

Placiphorella (Placophoropsis) pacifica, deep water off Central California, **Smith & Hanna**.

Scrobicoplax subgen. nov. for group typified by *empleura* **Iredale** Aust. Zool. 6 1 1929 in text p. 82 under *Icoplax*.

Notoplax cuneata from New Zealand, **W. Thomson**.

Lepidozona from Japanese Islands, **I. Taki** (1).

Gastropoda

Gasteropod which excavate littoral rock, **P. H. Fischer** (1). Gastropod Fossils of the littoral, **P. H. Fischer** (5); Gastropod opercula under fluorescent light, **P. H. Fischer** (6). Descriptive terminology of Gastropoda, **L. R. Cox** (2); Rate of growth of gastropods as a function of latitude, **P. A. Dehnel**; Gastropoda of the Gulf of Mexico, **H. A. Rehdei**; Gastropods of the Brighton Area, Wasatch Mountains, **E. J. & L. O. Roscoe** (1).

STREPTONEURA

Aspidobranchiata

Rhipidoglossa

BELLEROPHONTACEA

Euphremitinae subfam. nov. type genus *Euphremites* Warthin 1930, **J. B. Knight** J. Wash. Acad. Sci. 46 2 1956 p. 42.

Tropidodiscinae subfam. nov. type gen. *Tropidodiscus* Meek and Worthien 1866, **J. B. Knight** J. Wash. Acad. Sci. 46 2 1956 p. 42.

Knightitinae subfam. nov. type genus *Knightites* Moore 1941, **J. B. Knight** J. Wash. Acad. Sci. 46 2 1956 p. 42.

HALIOTIDACEA

Agnesiinae subfam. nov. type gen. *Agnesia* Koninck 1883, **J. B. Knight** J. Wash. Acad. Sci. 46 2 1956 p. 42.

Burnesella error for *Barnesella* Bridge and Cloud 1947. Resembles *Maclurites* (Family Macluritidae, Super-fam. Euomphalacea), but is not assigned to a particular family.

†*Coelocaulus chlupáči* sp. nov. Silurian, Bohemia, **R. Horný** Sborn. geol. Úst. Čsl. 20 1953 : p. 194 pl. 3 f. 1-3.

†*Cinctaspira* p. 46 gen. nov. Pleurotomariidae Genotype: *Cinctaspira conica* sp. nov. p. 46 pl. 3 f. 5; text f. 2 Oneota dolomite, Ordovician, Minnesota, U.S.A. **L. Powell** Sci. Bull. Sci. Mus. St. Paul Inst. 1 1935.

Coelozoninae subfam. nov. Coelozonides tribe nov. type gen. *Coelozone* Perner 1907, **J. B. Knight** J. Wash. Acad. Sci. 46 2 1956 p. 42.

†*Emarginula ladowae* sp. nov. Cre-taceous, Cliff of ravine at Haddonfield, Camden Co., New Jersey, **C. J. Eichman** Nautilus Philad. 68 4 1955 133 pl. 4 f. 7-8.

Entemnotrochus rumphii (Schepman) figured, **Kuroda**.

†*Eobucania* gen. nov. Bucaniidae, genotype: *E. pulchra* sp. nov. Ordovician, British Columbia, **T. Kobayashi** J. Fac. Sci. Univ. Tokyo (2) 9 3 1955 : p. 404 pl. 1 f. 1 a-f.

†*Eurydesma altum* sp. nov. Permian, Argentina, **H. J. Harrington** J. Paleont. 29 1 1955 : pl. 25 f. 1-3, 9.

Haliotis, orogenism, **A. Bolognari**. *Haliotis lamellosa* reproduction, **A. Bolognari** (1); *H.* variation, **R. R. Talmadge**.

†*Lecanospira depressa* p. 36 pl. xi f. 6-9; *L. soluta* p. 37 pl. xii f. 1-5; *L. perplana* p. 37 pl. xiii f. 1-6; *L. carinata* p. 38 pl. xiii f. 9-11 pl. xiv f. 1 spp. nov. Ordovician, North America, **R. Heller** Bienn. Rep. Mo. Bur. Geol. Min. (2) 35 1954; *L. tenuis* p. 66 pl. 4 f. 18-20, text-fig. 4, No. 2; *L. profunda* p. 67 pl. 4 f. 21, 22; text-fig. 4, No. 3 spp. nov. Oneota dolomite, Ordovician, Minnesota, U.S.A., **L. Powell** Sci. Bull. Sci. Mus. St. Paul Inst. 1 1935.

Liospirinae subfam. nov. type genus *Liospira* Ulrich & Scofield 1897, **J. B. Knights** J. Wash. Acad. Sci. 46 2 1956 p. 42.

Luciellidae fam. nov. type gen. *Luciella* Koninck 1883, **J. B. Knight** J. Wash. Acad. Sci. 46 2 1956 p. 42.

†*Lytospira mediosulcata* sp. nov. Ordovician, British Columbia, **T. Kobayashi** J. Fac. Sci. Univ. Tokyo (2) 9 3 1955 : p. 408 pl. 1 f. 7a-c.

Monodilepas carnleyensis sp. nov. New Zealand, **A. W. B. Powell** Cape Exped. Ser. Bull. No. 15 1955 : p. 48 pl. 5 f. 43, text-f. A1.

Nannoscutum gen. nov. type *N. forsythi* nov. Fissurellidae, **Iredale** Aust. Zool. 8 1937 p. 244.

Neilsoniinae subfam. nov. type gen. *Neilsonia* Thomas 1940, **J. B. Knight** J. Wash. Acad. Sci. 46 2 1956 p. 42.

†*Ophileta sardesoni* p. 57 pl. 4 f. 4, 5, text-f. 3 No. 1; *O. meeki* p. 61 pl. 4

f. 6-8, text-f. 3 No. 5 spp. nov. Oneota dolomite, Ordovician, Minnesota, U.S.A., **L. Powell** Sci. Bull. Sci. Mus. St. Paul Inst. 1 1935.

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†*Ozarkina parva* sp. nov. Oneota dolomite Ordovician, Minnesota, U.S.A., **L. Powell** Sci. Bull. Sci. Mus. St. Paul Inst. 1 1935 : p. 63 pl. 4 f. 15.

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†*Palaeozygopleuridae* fam. nov. p. 22. Type genus: *Palaeozygopleura* gen. et subgen. nov. p. 27 genotype: *Zygopleura alinae* Perner 1907, Devonian, Bohemia, **R. Horný** Sborn. geol. Úst. čsl. 21 (paleont.) 1954.

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†*Perotrochus* sp. from the Miocene of Japan, **K. Hirayama** (4); *Pertrochus teramachii* sp. nov. south of Bungo Channel, Pacific side of Shikoku Island, Japan, **T. Kuroda** Venus 18 4 1955 : p. 213 pl. 8 f. 1, 2.

†*Phragmostoma depressum* sp. nov. Devonian, Germany, **A. Rösler** Notizbl. Hess. Landesamt. Bodenforsch 81 1953: p. 141 pl. 7 f. 1.

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Planozonides Tribe nov. type gen. *Planozona* Perne; 1907, **J. B. Knight** J. Wash. Acad. Sci. 46 2 1956 p. 42.

Platyschismatinae subfam. nov. type gen. *Platyschisma* McCoy 1844, **J. B. Knight** J. Wash. Acad. Sci. 46 2 1956 p. 42.

†*Plethospira extensa* sp. nov. Ordovician, North America, **R. Heller** Bienn. Rep. Mo. Bur. Geol. Min. (2) 35 1954: p. 33 pl. 11 f. 2-4.

†*Pleurotomaria prope-hirasei* — *P. yosiwarai* "n. spp." name without description. Pliocene, Tyôsi City, Japan, **H. Ozaki** Bull. nat. Sci. Mus. Tokyo N.S. 1 2 1954 : p. 51.

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†*Rhachopea coronata* p. 48 pl. 5 f. 9-11; *R. conica* p. 50 pl. 5 f. 5 spp. nov. Oneota dolomite, Ordovician, Minnesota, U.S.A., **L. Powell**, Sci. Bull. Sci. Mus. St. Paul Inst. 1 1935.

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†*Sinuopea virginia* sp. nov. Oneota dolomite, Ordovician, Minnesota, U.S.A., **L. Powell** Sci. Bull. Sci. Mus. St. Paul Inst. 1 1935 : p. 53 pl. 6 f. 6.

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†*Agnathodonta brooksi* sp. nov. Cretaceous, Mexico, E. C. Allison J. Paleont. 29 3 1955 : p. 411 pl. 40 f. 6.

†*Angaria (Angaria) gwynae* sp. nov. Cretaceous, Mexico, E. C. Allison J. Paleont. 29 3 1955 : p. 412, pl. 40 f. 7, 8.

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†*Astrea tyōsiensis*—*A. virgata* 'n. spp.' name without description. Pliocene, Na-arai Conglomerate, Tyōsi City, Japan, H. Ozaki Bull. nat. Sci. Mus. Tokyo N.S. 1 2 1954 : p. 51.

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Callodix gen. nov. Liotiidae Genotype. *C. solida* sp. nov. p. 16 f. 25, 25a, b. 14 fathoms off Long Reef, Sydney, Australia, C. Laseron Aust. zool. 12 1954.

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†*Cirsochilus gilberti* sp. nov. Cretaceous, Mexico, E. C. Allison J. Paleont. 29 3 1955 : p. 411 pl. 40 f. 20.

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Conicella gen. nov. Liotiidae. Genotype: *Cyclostrema porcellana* Tate & May; *Conicella lacuna* p. 12 f. 39, 39a; *C. lata* p. 12 f. 37, 37a spp. nov. N.S.W. Australia, C. Laseron Aust. zool. 12 1954.

†*Encycloscala emersoni* sp. nov. Cretaceous, Mexico, E. C. Allison J. Paleont. 29 3 1955 : p. 411 pl. 40 f. 13, 19.

Ethminolia mayi 'sp. nov.' nom. nov. for the shell figured by May. Illustrated Index of Tasmanian shells 1923, pl. 18 f. 21 and there named *Minolia angulata* Adams, R. C. Kershaw Pap. roy. Soc. Tasm. 89 1955 : p. 291.

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Hisseyagibbula subgen. nov. of *Gibbula* Trochacea, genotype: *Littorina hisseyana* Tenison Woods 1876, Tasmanian, R. C. Kershaw Pop. roy. Soc. Tasm. 89 1955 : p. 291.

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32a, b.; *L. gravicosta* p. 10, f. 33, 33a spp. nov. N.S.W., Australia, **C. Laseron** Aust. zool. 12 1954.

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†*Margarites eos* sp. nov. Tertiary, Fukushima Prefecture, Japan, **K. Hirayama** Sci. Rep. Tokyo Kyoiku Daig. 4 1955 : p. 111 pl. 5 f. 23-32.

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Microcarina gen. nov. Liotiidae. genotype: *M. surgerea* sp. nov. p. 17 f. 42, 42a, b. North Harbour, N.S.W., Australia, **C. Laseron** Aust. zool. 12 1954.

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Orectospira Dall on its Systematic position, **T. Habe** (4).

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Parisanda gen. nov. Liotiidae. genotype: *P. iredalei* sp. nov. p. 19 f. 49, 49a. Manly Ocean beach, N.S.W., Australia, **C. Laseron** Aust. zool. 12 1954.

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†*Perotrochus* in Miocene of Japan, **Hirayama**.

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†*Teinostoma yabei* sp. nov. Miocene, Japan, **K. Masuda** Trans. Palaeont. Soc. Japan N.S. 20 1955 p. 123 pl. 19 f. 16-18.

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†*Tectus (Tectus) tomasensis* p. 410, pl. 40 f. 5; *Tectus? thalmani* p. 410, pl. 40 f. 3 spp. nov. Cretaceous, Mexico, **E. C. Allison** J. Paleont. 29 3 1955.

†*Turbo amabilis* 'n.sp.' name without description. Pliocene, Tyôsi City, Japan, **H. Ozaki** Bull. nat. Sci. Mus. Tokyo N.S. 1 2 1954 : p. 51.

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†*Loxonema plasi* sp. nov. Silurian, Bohemia, R. Horný Sborn. geol. Úst. čsl. 20 1953 : p. 193 pl. 2 f. 4, 5.

†*Morania* gen. nov. Loxonematidae, p. 190, genotype: *M. V-sinuata* sp. nov. p. 191 pl. 1 f. 1-3. Silurian, Bohemia, R. Horný Sborn. geol. Úst. Čsl. 20 1953.

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†*Neritoma* (*Neridomus*) *woodfordi* p. 413, pl. 40 f. 16; *N. (Neridomus) delpeyae* p. 413, pl. 40 f. 9, 10 spp. nov. Cretaceous, Mexico, E. C. Allison J. Paleont. 29 3 1955.

†*Theodoxus pappi* sp. nov. Pannon (Tertiary) Austria, F. Sauerzopf Burgenland. Heimat Bl. 14 1 1952 : p. 12 pl. 2 f. 12.

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†*Poteria bowdenensis* *sp. nov.* p. 155 Miocene Bowden, Jamaica, J. P. E. Morrison J. Wash. Acad. Sci. 45 5 1955.

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†*Vivipara mitzopouloisi* *sp. nov.* Neogene, Greece, P. Psarianos Ann. géol. Hellen. 1 5 1953 : p. 93 pl. 22 f. 7, 8.

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†*Vivipara mitzopouloisi* 'n.sp.' [n. nud.] Pliocene, Greece, P. S. Psarianos 1951.

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†*Goniophora virgata* *sp. nov.* Devonian, Germany, A. Rösler Notizbl. Hess. Landesamt. Bodenforsch 81 1953 : p. 145 pl. 7 f. 16.

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†*Littorina costata* *sp. nov.* Miocene, Czechoslovakia, J. Senes Geol. Práce Slovensk. Akad. 40 1955 : p. 155 pl. vi f. 14.

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Erronea caurica longior **Iredale** on Long Reef (notes on the animal), **Rutland & Kerslake**.

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†*Bartschella parkeri* sp. nov. Pliocene, Florida, P. Bartsch Smithsonian misc. Coll. 125 2 1955 : p. 36 pl. 6 f. 4a, b.

†*Chrysallida aldrichi* p. 61 pl. 15 f. 13; *C. weberi* p. 62 pl. 15 f. 8; *C. dalli* p. 63 pl. 15 f. 6; *C. cookei* p. 64 pl. 15 f. 10; *C. gardnerae* p. 64 pl. 15 f. 7; *C. harrisi* p. 65 pl. 15 f. 12; *C. palmerae* p. 66 pl. 15 f. 4; *C. mansfieldi* p. 67 pl. 15 f. 14; *C. macneilli* p. 68 pl. 15 f. 15; *C. simpsoni* p. 69 pl. 15 f. 11; *C. woodringi* p. 70 pl. 15 f. 9; *C. vaughani* p. 70 pl. 15 f. 2; *C. stimpsoni* p. 71 pl. 16 f. 11; *C. leai* p. 72 pl. 16 f. 8; *C. locklini* p. 73 pl. 16 f. 10; *C. sayi* p. 74 pl. 16 f. 13; *C. smithi* p. 75 pl. 16 f. 12; *C. pilsbryi* p. 76 pl. 16 f. 6; *C. mcgintyi* p. 76 pl. 16 f. 7; *C. tuomeyi* p. 77 pl. 16 f. 14; *C. holmesi* p. 78 pl. 16 f. 9 spp. nov. Pliocene, Florida, P. Bartsch Smithsonian misc. Coll. 125 2 1955.

Chryseulima gen. nov. Melanellidae genotype *Stilifer frazicri* Angas p. 87 pl. 1 f. 14, 15; *C. solitaria* sp. nov. Long Reef, N.S.W. p. 88 pl. 1 f. 16, 17, Laseron Aust. Zool. 12 1955.

Curveulima gen. nov. Melanellidae p. 88 type *Curveulima cornuta* sp. nov. p. 89 pl. 1 f. 18, 19 Ocean Beach, Manly; *C. obtusa* sp. nov. p. 89 pl. 1 f. 20, 21 Ocean Beach, Manly; *C. lata* 14 fms. off Long Reef p. 90 pl. 1 f. 22; *C. subobtusata* Long Reef, p. 90 pl. 1 f. 23; *C. litoris* Manly Beach p. 90 pl. 1 f. 24, 25; *C. abrupta* Ocean Beach, Manly p. 90 pl. 1 f. 26, 27; *C. manifesta* 30-35 fms. off Crookhaven p. 91 pl. 1 f. 28, 29 spp. nov. N.S. Wales, Laseron Aust. Zool. 12 1955.

Cuspeulima gen. nov. Melanellidae genotype *Leisotraca acutissima* Sowerby p. 91 pl. 2 f. 32, 33; *C. sobrina* sp. nov. Port Stephens, p. 92 pl. 2 f. 35, 36; *C. iredalei* sp. nov. Pt. Halliday p. 93 pl. 2 f. 37, 38; *C. portensis* Port Hackling p. 93 pl. 2 f. 39-41; *C. incidenta* sp. nov. N. Harbour, Port Jackson p. 94 pl. 2 f. 42, 43 N. S. Wales, Laseron Aust. Zool. 12 1955.

†*Devonzyga* gen. nov. *Palaeozygo-pleuridae* fam. nov. (Gastropoda) p. 35, genotype: *D. perneri* p. 53 pl. v f. 2, 3; *D. diversicostata* p. 54 pl. 5 f. 1 sp. nov. Devonian, Bohemia, R. Horný Sborn. geol. Úst. Čsl. 21 ser. palaeont. 1954.

†*Eulimastoma harbisonae* p. 82 pl. 16 f. 1; *E. olssoni* p. 83 pl. 16 f. 5 spp. nov. Pliocene, Florida, P. Bartsch Smith. misc. Coll. 125 2 1955.

Euliamaustra gen. nov. Melanellidae genotype *Eulima proxima* Swby, p. 85 pl. 1 f. 1, 2; *E. anomala* sp. nov. Woolgoolga N. S. Wales p. 85 pl. 1 f. 1, 2, Laseron Aust. Zool. 12 1955.

†*Eulimella* (*Eulimella*) *tampaensis* p. 13 pl. 2 f. 1—*E. (Cossmannica) pinellasi* p. 14 pl. 2 f. 2 spp. nov. Pliocene, Florida, P. Bartsch Smithsonian misc. Coll. 125 2 1955.

Eulimitra gen. nov. Melanellidae genotype *Eulimitra vittata* sp. nov. N. Harbour, Port Jackson; p. 94 pl. 2 f. 44, 45; *E. waltersi* sp. nov. Woollahra Point, Port Jackson p. 94 pl. 2 f. 46, 47, N. S. Wales, Laseron Aust. Zool. 12 1955.

Eulimoda gen. nov. Melanellidae genotype *Eulima munito* Hedley (N. S. Wales), *Laseron* Aust. Zool. 12 1955 p. 98 pl. 3 f. 66, 67.

Eulitoma gen. nov. Melanellidae genotype *Eulitoma nitens* sp. nov. 6-9 fms. Sow and Pig Reef p. 96 pl. and f. 54, 55; *E. castanea* sp. nov. 14 fms. Port Jackson p. 96 pl. 2 f. 56, 57 (N. S. Wales) *Laseron* Aust. Zool. 12 1955.

†*Fargoa* gen. nov. Pyramidellidae, genotype: *F. calesi* p. 80 pl. 16 f. 2; *F. archeri* p. 81 pl. 16 f. 4 spp. nov. Pliocene, Florida, P. Bartsch Smith. misc. Coll. 125 2 1955.

Fusculima gen. nov. Melanellidae genotype *Fusculima jacksonensis* sp. nov. N. Harbour, Port Jackson p. 95 pl. 2 f. 48, 49; *F. flava* sp. nov. 40-50 fms. off Twofold Bay p. 95 pl. 2 f. 50, 51; *F. sucina* sp. nov. 8-10 fms. off Point Halliday p. 96 pl. 2 f. 52, 53 (N. S. Wales) *Laseron* Aust. Zool. 12 1955.

Hebeulima gen. nov. Melanellidae genotype *Leiostraca inusta* Hedley p. 97 pl. 3 f. 58, 59; *H. tumire* sp. nov. Port Stephens p. 97, pl. 8 f. 60, 61; *H. crassiceps* Port Halliday p. 97 pl. 3 f. 63, 64; spp. nov. N. S. Wales, *Laseron* Aust. Zool. 12 1955.

†*Iolaea wagneri* sp. nov. Pliocene, Florida, P. Bartsch Smith. misc. Coll. 125 2 1955 : p. 59 pl. 15 f. 3.

†*Locklinia* gen. nov. Pyramidellidae, genotype : *L. fargoi* p. 11 pl. 2 f. 8; *L. pliocena* p. 12 pl. 2 f. 3; *L. ornata* p. 12 pl. 2 f. 7 spp. nov. Pliocene, Florida, P. Bartsch Smithson. misc. Coll. 125 2 1955.

†*Longchaesus* (*Pharcidella*) *calesi* p. 9 pl. 1 f. 4; *L. (Longchaesus) marionae* p. 10 pl. 1 f. 2, 3 spp. nov. Pliocene, Florida, P. Bartsch Smithson. misc. Coll. 125 2 1955.

Macertexta gen. nov. Melanellidae genotype *Macertexta ovitesta* sp. nov. N. Harbour, Port Jackson, N. S. Wales, *Laseron* Aust. Zool. 12 1955 p. 101 pl. 3 f. 75.

Miralda (*Miraldella*) subgen. nov. type: *M. (M.) gordonae* sp. nov. Pliocene, Florida, P. Bartsch Smith misc. Coll. 125 2 1955 : p. 79 pl. 16 f. 3.

†*Miraldella* subgen. nov. of *Miralda* [q.v.] Pyramidellidae Pliocene, Florida, P. Bartsch.

†*Mormula vaughani* p. 27 pl. 6 f. 3a, b; *M. gardnerae* p. 28 pl. 4 f. 10a, b; *M. mansfieldi* p. 29 pl. 4 f. 9a, b; *M. cookei* p. 30 pl. 5 f. 2a, b; *M. woodringi* p. 30 pl. 4 f. 8a, b; *M. marshalli* p. 31 pl. 5 f. 5a, b; *M. harrisi* p. 32 pl. 5 f. 1a, b; *M. palmerae* p. 33 pl. 5 f. 4a, b; *M. pilsbryi* p. 34 pl. 6 f. 2a, b; *M. robertsonae* p. 34 pl. 5 f. 3a, b; *M. teskeyae* p. 35 pl. 6 f. 1a, b spp. nov. Pliocene, Florida, P. Bartsch Smithson. misc. Coll. 125 2 1955.

†*Odostomia* (*Evalea*) *emeryi* p. 84 pl. 17 f. 1; *O. (E.) pomeroyi* p. 84 pl. 17 f. 2; *O. (E.) willcoxi* p. 86 pl. 17 f. 3; *O. (Odostomia) heilprini* p. 87 pl. 17 f. 5; *O. (O.) johnsoni* p. 87 pl. 17 f. 6; *O. (O.) conradi* p. 88 pl. 17 f. 9; *O. (O.) gabbi* p. 88 pl. 17 f. 10; *O. (O.) stephensoni* p. 89 pl. 17 f. 7; *O. (O.) schuengelae* p. 90 pl. 17 f. 8; *O. (O.) gunteri* p. 90 pl. 17 f. 11; *O. (O.) matsoni* p. 91 pl. 18 f. 6; *O. (O.) burnsi* p. 91 pl. 18 f. 5; *O. (O.) nicoli* p. 92 pl. 18 f. 3; *O. (O.) bassleri* p. 92 pl. 18 f. 2; *O. (O.) cooperi* p. 93 pl. 18 f. 4; *O. (O.) stearnsi* p. 93 pl. 18 f. 8; *O. (O.) coxi* p. 94 pl. 18 f. 7; *O. (O.) pinellasensis* p. 95 pl. 18 f. 1 spp. nov. *O. (Evalea) caloosaensis* (Dall) = *O. (Syrnola) caloosaensis* Dall (part) 1892. Pliocene, Florida P. Bartsch Smith. misc. Coll. 125 2 1955.

†*Orinella* (*Sulcorinella*) *locklini* p. 15 pl. 2 f. 5; *O. (Orinella) pliocena* p. 15 pl. 2 f. 9 spp. nov. Pliocene, Florida, P. Bartsch Smithson. misc. Coll. 125 2 1955.

†*Peristichia martschi* sp. nov. Pliocene, Florida, P. Bartsch Smithson. misc. Coll. 125 2 1955 : p. 16 pl. 2 f. 6.

Pictobalcis gen. nov. Melanellidae genotype *Eulima articulata* Swby. *Laseron* Aust. Zool. 12 1955 p. 98 pl. 3 f. 65.

†*Pseudomelania* ? *basicostata* sp. nov. Cretaceous, North America, L. W. Stephenson Prof. Pap. U.S. geol. Surv. 274-C 1955 : p. 57 pl. 4 f. 4, 5.

†*Pyrgiscus yamai* p. 38 pl. 6 f. 6a, b; *P. zethusi* p. 38 pl. 7 f. 7a, b; *P. vishnui* p. 39 pl. 7 f. 2a, b; *P. venusae* p. 40 pl. 6 f. 5a, b; *P. tityusi* p. 40 pl. 7 f. 1a, b; *P. thestiusi* p. 41 pl. 7 f. 8a, b; *P. tellusae* p. 41 pl. 7 f. 5a, b; *P. chionae* p. 42 pl. 7 f. 4a, b; *P. tantalus* p. 43 pl. 7 f. 6a, b; *P. sylvanusi* p. 43

pl. 7 f. 3a, b; *P. somnusi* p. 44 pl. 8 f. 4a, b; *P. sisyphusi* p. 44 pl. 8 f. 5a, b; *P. silenusi* p. 45 pl. 8 f. 3a, b; *P. pyrrhusi* p. 45 pl. 8 f. 1a b; *P. apolloi* p. 46 pl. 8 f. 2a, b; *P. dianae* p. 47 pl. 9 f. 2a, b; *P. latonae* p. 47 pl. 9 f. 1a, b; *P. phaetoni* p. 48 pl. 8 f. 6a, b; *P. harmoniae* p. 49 pl. 9 f. 8a, b; *P. cadmusi* p. 49 pl. 9 f. 6a, b; *P. inoae* p. 50 pl. 9 f. 5a, b; *P. telamoni* p. 51 pl. 9 f. 3a, b; *P. hebeae* p. 52 pl. 9 f. 4a, b; *P. aesonii* p. 52 pl. 9 f. 7a, b, c. **spp. nov.** Pliocene, Florida, **P. Bartsch** Smithsonian. misc. Coll. **125** 2 1955.

†*Salassia* (*Salassia*) *fargoi* p. 58 pl. 15 f. 1; *S. (Salassia)* *balchi* p. 58 pl. 15 f. 5 **spp. nov.** Pliocene, Florida, **P. Bartsch** Smithsonian. misc. Coll. **125** 2 1955.

Sinusicola **gen. nov.** Hydrobiidae for *Turbonilla* (*Careliopsis*) *filiola* Yokoyama, **Kuroda & Habe** Illust. Catal. Jap. Shells No. 2 1956 p. 16.

Stilimella **gen. nov.** Melanellidae genotype *Stilifer lodderae* Petterd J. of Conch. IV, 1884 p. 140, **Laseron** Aust. Zool. **12** 1955 p. 100 pl. 3 f. 72-74.

Stricteulima **gen. nov.** Melanellidae genotype *Stricteulima cameroni* **sp. nov.** N. S. Wales, **Laseron** Aust. Zool. **12** 1955 p. 91 pl. 2 f. 30, 31.

Striopyrgus 'new pseudogenus' [hybrid genus] Pyramidellidae type: *S. hybridus* **sp. nov.** Florida, **P. Bartsch** Smithsonian. misc. Coll. **125** 2 1955 : p. 57 pl. 10-14 f. 1-61.

Syntharella **gen. nov.** Melanellidae genotype *Eulima topaziaca* Hedley (N. S. Wales), **Laseron** Aust. Zool. **12** 1955 p. 100 pl. 3 f. 71.

†*Triptychus pliocena* **sp. nov.** Pliocene, Florida, **P. Bartsch** Smithsonian. misc. Coll. **125** 2 1955 : p. 8 pl. 1 f. 1.

†*Turbonilla* (*Chemnitzia*) *acisi* p. 19 pl. 3 f. 2; *T. (C.) admeta* p. 19 pl. 3 f. 6a, b; *T. (C.) geryoni* p. 20 pl. 3 f. 5; *T. (C.) hippolyta* p. 20 pl. 3 f. 4a, b; *T. (C.) adonisi* p. 21 pl. 3 f. 8; *T. (C.) alcmena* p. 21 pl. 3 f. 1; *T. (C.) iolausi* p. 22 pl. 3 f. 3; *T. (C.) hydra* p. 22 pl. 3 f. 9; *T. (C.) augeasi* p. 23 pl. 3 f. 7; *T. (C.) eurytionii* p. 23 pl. 4 f. 1; *T. (C.) hesperusi* p. 24 pl. 4 f. 2; *T. (C.) atlasi* p. 24 pl. 4 f. 5a, b; *T. (C.) antaeusi* p. 25 pl. 4 f. 6; *T. (C.) terra* p. 25 pl. 4 f. 3; *T. (C.) cacusii* p. 26 pl. 4 f. 4;

T. (C.) cerberusi p. 26 pl. 4 f. 7 **spp. nov.** Pliocene, Florida, **P. Bartsch** Smithsonian. misc. Coll. **125** 2 1955.

†*Ugarteia locklini* **sp. nov.** Pliocene, Florida, **P. Bartsch** Smithsonian. misc. Coll. **125** 2 1955 : p. 17 pl. 2 f. 4.

STENOGLOSSA

(a) RACHIGLOSSA

MURICACEA

Chorus from South America, **A. Carcelles** (2).

Concholepas in South America, **A. Carcelles** (2).

Liniaxis **gen. nov.** Parpuridae genotype *Liniaxis elongata* **sp. nov.** 30-35 fms. off Crookhaven, **Laseron** Pr. R. Zool. Soc. N.S.W. **1953-54** 1955 p. 72 f. 3-6.

†*Morea transenna* **sp. nov.** Cretaceous, North America, **L. W. Stephenson** Prof. Pap. U.S. geol. Surv. 274-E 1955 : p. 129 pl. 22 f. 6-9.

Murex clenchi **sp. nov.** Atlantic ocean, Argentina, **A. Carcelles** Comun. zool. Mus. Montevideo **4** 70 1953 : p. 7 pl. 5 f. 23-28; *M. (Murex)* *finlayi* **sp. nov.** 100 fms. Mantanzas Bay, Cuba, **W. S. Clench** Breviora No. 44 1955 pp. 1-2 figs. 1-3; *M. trunculus*, oology, **F. Dulzetto**.

Muricacea of the Eastern Pacific. A systematic outline, **J. Q. Burch**.

Neothais smithi another record from New Zealand, **E. Richardson**.

Nucella—from South America, **A. Carcelles** (2).

Oppomorus **subgen. nov.** for *Morula nodulifera* Menke on reef Lord Howe Id., **Iredale** Aust. Zool. **8** 4 1937, in text p. 258 under *Morula nodulifera*.

Phyllonotus of the Gulf of California, **J. & C. Cate**.

Purpura lapillus L. and luminescence, **P. H. Fischer** (3).

Rhombothais **gen. nov.** p. 37 Thaididae, super-family Muricacea. Genotype: *R. arbutum* **sp. nov.** p. 38 pl. 3 f. 1, 2, Angourie, 3½ miles south of Clarence River Heads, N.S.W., Australia, **L. Woolacott** Proc. R. zool. Soc. N.S.W. **1952-53** 1954.

Thais (*Taisella*) *mariae* **sp. nov.** Brazil, **F. L. de Morretes** Arch. Mus. Paranaen. **10** 1953 : p. 339 pl. 25, 26.

Tolema Iredale 1929 genotype *T. australis* Laseron not *Purpura sectata* Hedley as used by Iredale, **Laseron** (4).

BUCCINACEA

Acochliidae—general note and anatomy, **E. & E. Marcus** (2).

Aeneator attenuatus nothopanax subsp. nov. Pliocene, New Zealand, **C. A. Fleming** N.Z. J. Sci. Tech. **35B** 5 1954 : p. 382 f. 9–12.

Anentome helena notes, **Butot** (1).

Aquilofusus ravni sp. nov. Oligocene, Belgium, **M. Glibert** Bull. Inst. Sci. nat. Belg. **31** 86 1955 : p. 4.

Busyconinae, A Catalogue genera, subgenera and species with notes, **Puffer & Emerson**.

Columbellidae of Western Mexico and Panama, [**A. M. Strong**] (3).

†*Colus (Aulacofusus) fujimotoi* sp. nov. Tertiary, Fukushima Prefecture, Japan, **K. Hirayama** Sci. Rep. Tokyo Kyoiku Daig. **4** 1955 : p. 122 pl. 5 f. 1–7.

†*Euthriofusus wenzi* sp. nov. Cretaceous, Mexico, **E. C. Allison** J. Paleont. **29** 3 1955 : p. 428 pl. 44 f. 10–12.

Fusilaturus gen. nov. Fascioliariidae genotype *F. pauli* sp. nov. dredged off Sombrero Key Light, Florida, **T. L. McGinty** Proc. nat. Acad. Sci. Philad. **107** 1955 p. 79 pl. 1 f. 4, 4a.

Fusus caparti sp. nov. South Atlantic, West African coastal waters, **W. Adam & J. Knudsen** Bull. Inst. Sci. nat. Belg. **31** 61 1955 : p. 12 pl. 2 f. 8–10; text-f. 3; *Fusus* Embryology and Anatomy, figs., **A. Portmann**.

†*Kelletia brevis* 'n.sp.' name without description. Pliocene, Na-arai Conglomerate, Tyôsi City, Japan, **H. Ozaki** Bull. nat. Sci. Mus. Tokyo N.S. **1** 2 1954 : p. 51.

Lathyrus frenguelli sp. nov. Atlantic Ocean, S.S.E. of Quequén, Argentina, **A. Carcelles** Comun. zool. Mus. Montevideo **4** 70 1953 : p. 8 pl. 3 f. 13–16, 19.

†*Molopopholus rara* sp. nov. Tertiary, Fukushima Prefecture, Japan, **K. Hirayama** Sci. Rep. Tokyo Kyoiku Daig. **4** 1955 : p. 119 pl. 5 f. 8–10.

Nassarius attacked and bored, **Alexander**.

Nassidae of Indo-China, **M. Marche-Marchad**.

Paxula sorenseni sp. nov. New Zealand, **A. W. B. Powell** Cape Exped. Ser. Bull. No. 15 1955 : p. 109 pl. 1 f. 6.

Penion Fischer = *Verconella* Iredale 1914; *Penion brazieri* sp. nov. p. 1057 pl. 41 f. 22 Miocene, New Zealand, **C. A. Fleming** Trans. roy. Soc. N.Z. **82** 5 1955.

†*Priscofusus ishijimai* sp. nov. Tertiary, Fukushima Prefecture, Japan, **K. Hirayama** Sci. Rep. Tokyo Kyoiku Daig. **4** 1955 : p. 121 pl. 5 f. 14–19.

Zemitrella constans sp. nov. New Zealand, **A. W. B. Powell** Cape Exped. Ser. Bull. No. 15 1955 : p. 107 pl. 1 f. 7.

VOLUTACEA

Alcithoe (Leporemax) fusus resolutionensis subsp. nov. Pliocene, New Zealand, **C. A. Fleming** N.Z. J. Sci. Tech. **35B** 5 1954 : p. 383 f. 19, 20.

Ancilla Lamarck, on the type species, **Hemming** Bull. zool. Nom. **9** 1954 : p. 219; *Ancilla* Lamarck, request for a ruling on the question of the type species, **K. Palmer**; *Ancilla* comment on the type species, **K. Palmer** Bull. zool. Nom. **9** 1954: p. 269.

Benthovoluta gen. nov. Volutidae genotype *Phenacoptygma ? kiensis* Kuroda = *Voluta hilgendorfi* v. Martens, **Kuroda & Habe** Illust. Catal. Jap. Shells No. 5 1950 p. 37 pl. 5, f. 2 pl. 7 f. 1 text-fig. 1.

†*Cancellaria rara* sp. nov. Miocene, Fukushima Prefecture, Japan, **S. Aoki** Sci. Rep. Tokyo Kyoiku Daig. **3C** 1954 : p. 38 pl. 2 f. 17; *Cancellaria*, **C. R. Ronchetti**.

†*Eoharpa* gen. nov. Harpidae, p. 131, type species: *Eoharpa sinuosa* sp. nov. p. 132 pl. 23 f. 3–6. Cretaceous, North America, **L. W. Stephenson** Prof. Pap. U.S. geol. Surv. **274-E** 1955.

Ericusa sowerbyi porcellana subsp. nov. vicinity of Habo Island, Victoria, Australia, **N. Jackson** Proc. R. zool. Soc. N.S.W. **1952–53** 1954 : p. 37 pl. 2 f. 2.

Fulgoraria prevostiana magna var. nov. Hitachi, Honshu p. 34 pl. 6 f. 3, 4; *F. cancellata* sp. nov. off Tosa, Shikoku 100 fms. p. 34 pl. 5 f. 11, **Kuroda & Habe** Illust. Catal. Jap. Shells. No. 5

1950; *F. kaneko* [Hirase M.S.] new species = *Fulgoraria kaneko* Hirase Illust. Thousand shells 4 f. 319, where name and figure is given [which is a description] neotype designated as original type destroyed, **Kuroda & Habe**.

†*Halia*, **C. R. Ronchetti**.

Iredalina aurantia from New Zealand coastal waters, **S. Trigrance** (1).

†*Liopeplum rugosum* sp. nov. Cretaceous, North America, **L. W. Stephenson** Prof. Pap. U.S. geol. Surv. 274-E 1955 : p. 130 pl. 22 f. 1-5.

†*Lyria* **C. R. Ronchetti** (1).

Marginella corderoi sp. nov. Atlantic ocean, Argentina, **A. Carcelles** Comun. Mus. Montevideo 4 70 1953: p. 10 pl. 3 f. 17, 18.

†*Marginella*, **C. E. Ronchetti** (2).

Melo amphora knighti subsp. nov. Gloucester passage, Bowen, Queensland, Australia, **N. Jackson** Proc. R. zool. Soc., N.S.W. 1952-53 1954 : p. 35 pl. 2 f. 1.

Mitra moisei p. 77 pl. 1 f. 4, 4a; *M. olssoni* p. 78 pl. 1 f. 3, spp. nov. Florida, **McGinty** Proc. Acad. Sci., Philad. 107 1955.

Mitridae of West Mexico and Panama, [**A. M. Strong**] (1).

†*Paladmete pristina* sp. nov. Cretaceous, North America, **L. W. Stephenson** Prof. Pap. U.S. geol. Surv. 264-B 1954 : p. 39 pl. 8 f. 24-26.

Voluta a historical review of the Linnaean genus, **H. Dodge**.

Volutidae of Western Mexico and Panama, [**A. M. Strong**] (1).

†*Volutilithes*, **C. R. Ronchetti**.

STENOGLOSSA

(β) TOXOGLOSSA

CONACEA

Apispiralia gen. nov. Turridae genotype *Clathurella albocincta* Angas pp. 39 and 40 pl. 10 f. 203, 204; *A. catena* 14 fms. off Long Reef p. 40 pl. 10 f. 205, 206; *A. maxima* 10-15 fms. off Twofold Bay p. 40 pl. 10 f. 207: spp. nov. N.S.W., **C. F. Laseron**, Review of the New South Wales Turridae, Sydney, 1954.

Apitua gen. nov. Turridae genotype *A. delicatula* sp. nov. dredged North Harbour Port Jackson, **C. F. Laseron**, Review of the New South Wales Turridae, Sydney 1954, p. 42 pl. 10 f. 215, 216.

Asperdaphne rugosa 30-35 fm. off Cookhaven p. 46 pl. 11 f. 235-237; *A. sepulta* Sow and Pigs Reef, Port Jackson p. 46 pl. 11 f. 238, 239; spp. nov. Turridae N. S. Wales, **C. F. Laseron**, Review of the New South Wales Turridae, Sydney 1954.

Austrocarina gen. nov. Borsoniinae, Turridae, genotype *Leucosyrinx recta* Hedley, "temporarily placed in the Borsoniinae," **C. F. Laseron**, Review of the New South Wales Turridae, Sydney 1954 p. 21 pl. 4 f. 88.

Austrodaphnella gen. nov. Daphnelinae genotype *A. clathrata* sp. nov. dredged Pittwater N.S.W. p. 45 pl. 11 f. 228, 229; **C. F. Laseron** Review of the Turridae, Sydney, 1954.

Austrogemmula gen. nov. Turridae genotype *Hemipleurotoma tasmanica* May, **C. F. Laseron** Review of the New South Wales Turridae, Sydney, 1954, pl. 1 f. 8, 9.

Austropusilla gen. nov., Mangeliinae, Turridae, genotype *Mangelia hilum* Hedley p. 25, pl. 5, f. 110-112; *A. profundis* sp. nov. Mangeliinae 70 fms. off Green Cape, N.S. Wales, p. 25 pl. 5 f. 113. **C. F. Laseron** Review of the New South Wales Turridae, Sydney, 1954.

Austroturris gen. nov. Turridae genotypes *Filodrillia steira* Hedley, **C. F. Laseron** Review of the New South Wales Turridae, Sydney 1954 p. 6 pl. 1 f. 134.

Clathurella aguayoi sp. nov. San Matias Gulf, Argentina, **A. Carcelles** Comun. Mus. Montevideo 4 70 1953 : p. 12 pl. 4 f. 20.

†*Clavatula interrupta vitdlii* nov. f. Miocene, Hungary, **L. Strausz** Földt. Közl. 85 2 1955 : p. 202 pl. XII f. 25, 26; *Clavatula*, **C. R. Ronchetti** (3).

Conasprella (?) *gratacap* (Pilsbry) figured, **Anon.**

Conidae—list of Japanese species, **T. Kuroda** (1).

Conticosta gen. nov. Turrinae genotype *Inquisitor petilinus* Hedley, **C. F.**

Laseron Review of the New South Wales Turridae, Sydney 1954 p. 13 pl. 3 f. 58.

Conus litteratus L. notes, Anon.; *C. ermineus* Born, V. J. *Conus lithoglyphus* Reeve, [J. Q. Burch] (1); *C. drangai* p. 13 pl. 2 f. 1-7; *C. andrangae* p. 14 pl. 2 f. 8-11; spp. nov.: *C. gradatus thaenami* p. 15 pl. 2 f. 12-13; *C. recurvis helenae* p. 15 pl. 2 f. 14-15; subsp. nov. from Costa Rica, J. S. Schwengle *Nautilus* Philad. 69, 1955; *C. (Gastridium) eldredi* nom. nov. for *Conus geographus rosea* Swby. = *intermedius* Rve. non Lamarck 1810. *Conch. Ill.* f. 33 1833, non *C. roseus* Fischer 1807 and Lamarck 1810, J. P. E. Morrison, J. Wash. Acad. Sci. 45 1 1955, 32; *C. intermedius* Reeve renamed *C. mappa* Crosse Rev. Mag. Zool. (2) 10, 200-205, 1858 Crosse's name however is preoccupied by *C. mappa* Golder Portland Catal. 116 No. 2554, 1786 [vide *C. eldredi* nom. nov., J. P. E. Morrison J. Wash. Acad. Sci. 45 1 1955; *C. magintyi* sp. nov. dredged 165° off Pensacola N.-W. Florida, H. A. Pilsbry, *Nautilus*, Philad. 69 2 1955 47 pl. 2 f. 10-11.

†*Conus*, C. R. Ronchetti (2).

†*Cythara*, C. R. Ronchetti (3).

†*Daphnella*, C. R. Ronchetti (3).

Epidironea nodulosa p. 9 pl. 1 f. 21-23, 50 fms. off Crosody Head; *E. carinata* 40-50 fms. off Manning River p. 9 pl. 2 f. 24-26; *E. tuberculata* p. 10 pl. 2 f. 27-28; *E. costifera* 40-50 fms. off Manning River p. 9 pl. 2, f. 29; *E. candida* 70-80 fms. off Cape Everard p. 16 pl. 2 f. 30; *E. molleri* 50 fms. off Crosody Head spp. nov. New South Wales, C. F. Laseron Review of the New South Wales Turridae, Sydney 1954.

Etrema constricta dredged in North Harbour, Port Jackson p. 27 pl. 6 f. 125-126; *E. levicosta* 30-35 fms. off Port Stephens p. 27 pl. 6 f. 127-128; *E. pyramis* Black at Shellharbour p. 28 pl. 6 f. 129-130; *E. kitcheni* 8 fms. Eden p. 28 pl. 6 f. 132-134; spp. nov.. *E. kitcheni attenuata* subsp. nov. 30-35 fms. off Sydney p. 28 pl. 6 f. 135, 136, C. F. Laseron Review of the New South Wales Turridae, Sydney, 1954.

Euguraleus thornleyanus 30-35 fms. off Port Stephens p. 32 pl. 7 f. 156-157;

sp. nov.; *E. tasmanicus peroniansus* subsp. nov. 50 fms. 7 m. N of Montague Island p. 33 pl. 8 f. 160, C. F. Laseron Review of the New South Wales Turridae, Sydney 1954.

Exomilus cylindricus sp. nov. 80 fms. 22 m. east of Narrabeen, N.S.W. Turridae, C. F. Laseron Review of the New South Wales Turridae, Sydney 1954 p. 48 pl. 12 f. 253-254.

Filodrillia tricarinata intermissa subsp. nov. Mangeliinae 30-70 fms. off Green Cape, N.S.W. p. 23 pl. 5 f. 94-96; *F. delicatula* 30-35 fms. off Crookhaven p. 23 p.. 5 f. 100; *F. ordinata* 50-70 fms. off Green Cape p. 24 pl. 5 f. 103; *F. thornleyana* 30-35 fms. off Port Stephens p. 24 pl. 5 f. 104-105; *F. vitrea* 70-84 fms. off Cape Everard p. 25 pl. 5 f. 106-107; *F. teres* 20-25 fms. off Crookhaven p. 25 pl. 5 f. 108-109 spp. nov. Turridae N.S. Wales, C. F. Laseron Review of the New South Wales Turridae, Sydney 1954.

Fusidaphne gen. nov. Daphnellinae genotype *F. bullata* sp. nov. 10-15 fms. Twofold Bay, Turridae N.S. Wales, C. F. Laseron Review of the New South Wales Turridae, Sydney 1954 p. 47 pl. 12 f. 246-247.

†*Genota*, C. R. Ronchetti (3).

Guraleus (type *Mangelia picta* Hedley *tasmantis* 70 fms. off Green Cape p. 30 pl. 7 f. 148-144, f. *tasmantis tritonus* 40 fms. off the Manning R. p. 30 pl. 2 f. 145-146; sp. & subsp. nov., *G. asper*. 15 fms. off the Clarence River p. 31 pl. 7 f. 150-151; *G. nanus* Mamly Beach in shell sand, p. 31 pl. 7 f. 152; *G. fossa* 30 fms. off Twofold Bay p. 31 pl. 7 f. 153; spp. nov. Turridae N.S.W., C. F. Laseron Review of the New South Wales Turridae, Sydney 1954.

Hindsiclava gen. nov. Turridae genotype *Pleurotoma militaris* Hinds in Reeve 1843, Hertlein & Strong Bull. Amer. Mus. nat. Hist. 107 2 1955 p. 227.

Isodaphne gen. nov. Daphnellinae genotype, *I. garrardi* sp. nov. 10-18 fms. Twofold Bay, C. F. Laseron Review of the New South Wales Turridae, Sydney 1954 p. 44 pl. 11 f. 226-227.

Leptoconus milne-edwardsi (Jous-seaume) figured, Anon.

Lioglyphostoma armstrongi sp. nov. Guayabo, Chiquito, Panama, **Hertlein & Strong** Bull. Amer. Mus. nat. Hist. 107 2 1955 p. 230 pl. 3 f. 12.

Liotina saxa sp. nov. 14 fathoms off Long Reef, N.S.W., Australia, **C. F. Laseron** Aust. zool. 12 1954: p. 2 f. 2, 2a.

Maoritomella thola pl. 4 f. 73 40–50 fms. off Manning River; *M. foliacea* pl. 4 f. 74, 40 fms. Twofold Bay: spp. nov. Clarinae N.S. Wales, **C. F. Laseron** Review of the New South Wales Turridae, Sydney 1954 p. 18.

Marita elongata dredged North Harbour (Port Jackson) p. 38 pl. 9 f. 197–198; *M. tumida* 30–38 fms. off Port Stephens, p. 39 pl. 9, f. 199, 200: spp. nov. Turridae N.S.W., **C. F. Laseron** Review of the New South Wales Turridae, Sydney 1954.

Micantapex profundis sp. nov. 300 fms. off Sydney, **C. F. Laseron** Review of the New South Wales Turridae, Sydney 1954 p. 8 pl. 1 f. 13.

Microdiscula vitrea p. 4 f. 8, 8a; *M. pellucida* p. 5 f. 9, 9a; *M. fragilis* p. 5 f. 48, 48a, b. spp. nov. N.S.W. Australia, **C. Laseron** Aust. zool. 12 1954.

Microdrillia stephensis sp. nov. Clarinae, 30–55 fms. off Port Stephens, New South Wales, **C. F. Laseron** Review of the New South Wales Turridae, Sydney 1954 p. 19 pl. 4 f. 76–78.

Microgenia gen. nov. Daphnellinae genotype *Clathurella edwini* Brazier, N.S.W. Turridae, **C. F. Laseron** Review of the New South Wales Turridae, Sydney 1954, p. 50 pl. 12 f. 261, 262.

Mitraguraleus gen. nov. Mangeliinae genotype *Bela mitralis* Adams & Angas, **C. F. Laseron** Review of the New South Wales Turridae, Sydney 1954 p. 32 pl. 7 f. 154–155.

Narraweena gen. nov. Clavinae genotype *Asthenotoma subtilinea* Hedley p. 19 pl. 4 f. 79–80; *N. carrota* sp. nov. 30–35 fms. off Port Stephens, N.S. Wales 19 pl. 4 f. 79–80, **C. F. Laseron** Review of the New South Wales Turridae, Sydney 1954.

Nepotilla serrata shell sand, Port Stephens, p. 49 pl. 12 f. 256–257; *N. carinata* 30–35 fms. off Crookhaven

p. 49 pl. 12 f. 258–259; spp. nov. N.S.W. Turridae, **C. F. Laseron** Review of the New South Wales Turridae, Sydney 1954.

Notocytharella gen. nov. Turridae genotype *Cytharella niobe* Dall, **Hertlein & Strong** Bull. Amer. Mus. nat. Hist. 107 2 1955 p. 232.

Paracuneus gen. nov. Turridae genotype *Mangelia immaculata* Tenison-Woods: *P. immaculata perionianus* subsp. nov. Quarantine Bay pl. 3 p. 50–51; *P. spadix tumulus* subsp. nov. pl. 3 f. 54–55; 50–70 fms. Twofold Bay; *P. kemblensis* sp. nov. 63–75 fms. off Port Kembla, New South Wales Turridae, **C. F. Laseron** Review of the New South Wales Turridae, Sydney 1954 p. 14.

Paradaphne gen. nov. Daphnellinae genotype *Daphnella botanica* Hedley p. 44 pl. 11 f. 222–223; *P. bucklandi* 10–15 fms. Twofold Bay p. 44 pl. 11 f. 224–225 Turridae N.S. Wales, **C. F. Laseron** Review of the New South Wales Turridae, Sydney 1954.

Paramontana gen. nov. Turridae genotype *Clathurella modesta* Angas p. 41 pl. 10 f. 210, 211; *P. fusca* Eden, p. 41 pl. 10 f. 213–214; spp. nov. N.S.W., **C. F. Laseron** Review of the New South Wales Turridae, Sydney 1954.

Peraguraleus emina brevostium subsp. nov. 30–35 fms. off Crookhaven p. 34 pl. 8 f. 163; *P. howelli* 70–80 fms. off Lake Everard p. 34 pl. 8 f. 164–165; *P. subitus* 55–70 fms. off Green Cape p. 34 pl. 8 f. 166–168; *P. tepidus* 30–35 fms. off Port Stephens p. 310 pl. 8 f. 169; *P. serpentis* dredged in North Harbour, Port Jackson p. 35 pl. 8 f. 172; *P. alternatus* 40–50 fms. off Manning River p. 35 pl. 8 f. 173–175; *P. lucidus* 14 fms. off Long Reef p. 35 pl. 8, f. 177–178; spp. nov. Turridae N.S.W., **C. F. Laseron** Review of the New South Wales Turridae, Sydney 1954.

†*Pleurotomella*, **C. R. Ronchetti** (3).

Pulsarella gen. nov. Clavinae genotype *Pleurotoma cognata* Smith, **C. F. Laseron** Review of the New South Wales Turridae, Sydney, 1954 p. 20 pl. 4 f. 84.

Pseudoraphitoma pyramidula sp. nov. dredged in North Harbour, Port Jackson, N.S.W., **C. F. Laseyron** Review of the New South Wales Turridae, Sydney 1954 p. 43 pl. 10 f. 220-221.

Splendrillia mollerii sp. nov. Clavinae 50 fms. off Crowdy Heads, N.S. Wales, **C. F. Laseyron** Review of the New South Wales Turridae, Sydney 1954 p. 17 pl. 4 f. 7.

Stilla anomala sp. nov. New Zealand, **A. W. B. Powell** Cape Exped. Ser. Bull. No. 15 : p. 113 pl. 1, f. 8.

Tasmadaphne gen. nov. Daphnellinae genotype *T. spicula* sp. nov. 30-35 fms. off Crookhaven, **C. F. Laseyron** Review of the New South Wales Turridae, Sydney 1954 pp. 46-47 pl. 11 f. 242-243.

Terebra doello-juradoi sp. nov. Atlantic ocean, Argentina, **A. Carcelles** Comun. zool. Mus. Montevideo 4 70 1953 : p. 14 pl. 4 f. 21.

Terebridae of West Mexico and Panama, **J. Q. Burch**.

Turricula Dall on the genus and list of species described as such. figs., **H. Rehder** (1).

Turrella gen. nov. Mangeliinae genotype *Clathurella tenuilirata* Angas p. 36 pl. 9 f. 179-182; *T. crassa* 30-35 fms. off Crookhaven p. 36 pl. 1 p f. 185, 186; *T. gracilis* 70 fms. off Green Cape p. 37 pl. 9 f. 189-190; *T. subcostata* Crookhaven Heads, p. 38 f. 191, 192; *T. asperrima* 6 m. east of Jibbon Point N.S.W. p. 38 pl. 9 f. 193, 194; spp. nov. Turridae of New South Wales, **C. F. Laseyron** Review of the New South Wales Turridae, Sydney 1954.

†*Turris* (*Oxytropia*) *pseudovolgeri* sp. nov. Oligocene, Belgium, **M. Glibert** Bull. Inst. Sci. nat. Belg. 31 86 1955 : p. 6.

†*Turris*, **C. R. Ronchetti** (3).

Vexitomina pilazona 10-15 fms. Two-fold Bay p. 12 pl. 2 f. 38, 39; *V. garrardi* dredged in Twofold Bay p. 13 pl. 2 f. 42, 43; *V. torquata* 30-50 fms. off Sydney p. 13 pl. 3 f. 48-49; spp. nov. New South Wales, **C. F. Laseyron** Review of the New South Wales Turridae, Sydney 1954.

Xenoroturris corona sp. nov. 50-70 fms. off Green Cape, N.S.W., **C. F. Laseyron** Review of the New South Wales Turridae, Sydney 1954 p. 6 pl. 1 f. 1, 2.

Opisthobranchiata

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Acteon finlayi sp. nov. off Palm Beach, Florida, **T. L. McGinty** Proc. Acad. nat. Sci. Philad. 107 1955 p. 81 pl. 2 f. 10; *Acteon tornatilis* (L.), **Fretter & Graham**.

†*Actaeon pygmaeus* sp. nov. Miocene, Czechoslovakia, **J. Senes** Geol. Prác. Slovensk. Akad. 40 1955 : p. 159 pl. IX f. 17-24.

Akeridae of Japan, **T. Habe** (1).

Austrodiaphana flemingi sp. nov. New Zealand, **A. W. B. Powell** Cape Exped. Ser. Bull. No. 15 1955 : p. 115 pl. 3 f. 29.

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Bullidae of Japan, **T. Habe** (1).

Bullina nobilis p. 19, pl. 3 f. 11; *B. virgo* p. 20 pl. 3. 4; spp. nov. Japan, **T. Habe** Illust. Catal. Jap. Shells No. 3 1950.

†*Cylichna stolidia* sp. nov. Tertiary, Fukushima Prefecture, Japan, **K. Hirayama** Sci. Rep. Tokyo Kyoiku Daig 4 1955 : p. 125 pl. 5 f. 11-13.

†*Eoacteon* gen. nov. Acteonidae, p. 132 type species : *Solidus linteus* Conrad ; *E. linteus* (Conrad) p. 133 p. 23 f. 8-10. Cretaceous, North America, **L. W. Stephenson** Prof. Pop. U.S. geol. Surv. 274-E 1955.

Hamineobulla kawamurai gen. et sp. nov. Amami-Oshima, Japan, **T. Habe** Illust. Catal. Jap. Shells. No. 3 1950 p. 22 pl. 3 f. 9.

Hydatinidae of Japan, **T. Habe** (1).

†*Oligoptycha ? popenoei* sp. nov. Cretaceous, Mexico, **E. C. Allison** J. Paleont. 29 3 1955 : p. 430 pl. 44 f. 14, 15.

Philinoglossa general anatomy, **E. & E. Marcus** (2).

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Retusidae of Japan, **T. Habe**.

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Ringiculidae of Japan, **T. Habe**.

Scaphander Montfort 1810 Validation, Opinion 287.

Toledonia succineaformis sp. nov. New Zealand, **A. W. B. Powell** Cape Exped. Ser. Bull. No. 15 1955 : p. 114 pl. 3 f. 30.

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Aplysia from South Africa, **W. Macnae**; *Aplysia*, egg mass and figs. of animal in motion, **J. Bernstein**; *Aplysia depilans* L. aspects of ovogenesis, **A. Bolognari**; *Aplysia vaccaria* sp. nov. deep waters off San Pedro and Palos Verdes, Southern California, **L. H. Winkler** Bull. S. Calif. Acad. Sci. **54** 1 1955 p. 5 text-fig.

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Laplysia [recte *Aplysia*] *fasciata* Poiret 1789 addition of specific name to Official List, Opinion 354; *Laplysia* [recte *Aplysia*] *punctata* Cuvier 1803 validation of specific name, Opinion 355.

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this name) p. 5 pl. 3 f. 5 Akita Prefecture, northern Honshu, Japan, **T. Habe** Publ. Akkeshi mar. biol. Sta. No. 4 1955.

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†*Charruia annulata* n. gen. n. sp. Gastropoda Cambrian, Argentina, **C. Rusconi** Rev. Mus. Hist. nat. Mendoza **8** 1-4 1955 : p. 11 pl. 1 f. 14.

†*Conularia leonardensis* sp. nov. Permian, West Texas, North America, **R. M. Finks** J. Paleont. **29** 5 1955 : p. 834 pl. 82 f. 1-13; *C. pentagonala* sp. nov. Carboniferous, Poland, **S. Kwiatkowski** Ann. Soc. géol. Pologne **23** (1953) 1955 : p. 158 pl. xi.

†*Hyolithellus quadrangularis* sp. nov. Cambrian, Argentina, **C. Rusconi** Rev. Mus. Hist. nat. Mendoza **8** 1-4 1955 : p. 12 pl. 1 f. 11.

†*Tentaculites mogotensis* sp. nov. Ordovician, Argentina, **C. Rusconi** Rev. Mus. Hist. nat. Mendoza **8** 1-4 1955 : p. 44 pl. 5 f. 6.

Nudibranchiata

SACOGLOSSA

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Alderia modesta range extended to Washington, **C. Hand**; *A. modesta* (Lovén) occurrence on the Central California coast, figs., **Hand & Steinberg**.

Elysia canguzua p. 111 f. 45-48, 60-45; *E. serca* p. 113 f. 49-52, 59; *E. chitwa* p. 115 f. 53-56, 58 spp. nov. São Sebastião Island, Brazil, **E. Marcus** Bol. Fac. Fil. Cienc. S. Paulo (Zool.) **20** 1955; *E. elsieae* p. 122 f. 9 pl. 1.; *E. degeneri* p. 124 f. 10, pl. 1—*E. nealae* p. 125 f. 11 pl. 1 spp. nov. Hawaii, **J. M. Ostergaard** Pacif. Sci. **9** 2 1955.

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Limapontia depressa pellucida Kevan in Germany, figs., **Jaekel** (5).

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Archidoris montereyensis reproductive system and embryology, **McGowan & Pratt**.

Awuka gen. nov. p. 155 Centrodori-
dinae: Genotype: *Awuka spazzola* sp.
nov. p. 156 f. 180-192 São Sebastião
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Fil. Cienc. S. Paulo (Zool.) 20 1955.

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Island, Brazil, **E. Marcus** Bol. Fac. Fil.
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Opinion 221.

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20 1955 : p. 163 f. 209-217.

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D. pusae p. 147 f. 151-165 spp. nov.
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for "*D. grandiflora* Rapp" Cantraine,
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1827; *D.* (?) *dalyelli* nom. nov. p.
289, for *D. argo* Dalyell, 1853 p.p.,
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Pruvot-Fol** Faune de France 58 1954.

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tião Island, Brazil, **E. Marcus** Bol. Fac.
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J. M. Ostergaard Pacif. Sci. 9 2 1955 :
p. 133 f. 16, pl. 1.

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p. 169 f. 223-225 sp. nov. São Sebastião
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Sebastião Island, Brazil, **E. Marcus**
Bol. Fac. Fil. Cienc. S. Paulo (Zool.)
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170 f. 226-236.

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Marcus**.

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dae: Genotype: *Piseinotecus divae* sp.
nov. p. 177 f. 244-248 São Sebastião
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& E. Marcus**.

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64; *B. (Peronaeus) pyrgidium* p. 321 f. 66; *B. (P.) extensus* p. 323 f. 67; *B. (P.) acme* p. 325 f. 68; **spp. nov.** Peru **F. Haas** Fieldiana Zool. **37** 1955; *B. (Scutalus) longitudinalis* **sp. nov.** Ayacucho, Peru, **F. Haas**, Fieldiana Zool. **37** 1955 p. 316 f. 63; *B. sporadicus gracilis* **subsp. nov.** Cerro Colorado, Argentina, **M. Scott** Acta Zool. Lilloana **6** 1948 : p. 238 pl. 2 f. 3.

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†*Bakevella matsushitai* p. 214 pl. 3 f. 1–5, 8; *B. oyogiensis* p. 216 pl. 3 f. 9; pl. 4 f. 1–4; *B. monobensis* p. 217 pl. 4 f. 5–9; pl. 5 f. 1a–d, 2; *B. subhekiensis* p. 219 pl. 6 f. 4–7 spp. nov. Triassic, Kyoto Prefecture, Japan, **K. Nakazawa** Mem. Coll. Sci. Kyoto 2-B 2 1954.

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†*Lopha karrenbergi* sp. nov. Jurassic, Yémen, **E. Basse** Bull. Soc. géol. Fr. 6 4 7–9 1954 p. 664 pl. 27 f. 1a–d.

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†*Ostrea iphigeniae* sp. nov. Neogene, Greece, **S. Charalambakis** Ann. géol. Hellen. 1 4 1952 : p. 93 pl. 5, 6; *O. (Alectryonia) jerseiana* sp. nov. Cretaceous, North America, **L. W. Stephenson** Prof. Pap. U.S. geol. Surv. 264-B 1954 : p. 29 pl. 6 f. 20.

Placenta placenta in the G. of Cutch, **Gokhale**.

Preostrea subgen. nov. of *Ostrea* for *Ostrea baesia* sp. nov., **T. Iredale** Mollusca Part 1, Great Barrier Reef Expedition 1928–29 Sci. Report vol. V No. 6 1939 397 pl. vii f. 4.

TRIGONIACEA

†*Geratrigonia* gen. nov. Trigoniinae, p. 171, Type species: *Trigonia hosourensis* Yokoyama, 1904; *G. lata* sp. nov. p. 173, pl. 15 f. 6–7; *G. hosourensis*

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†*Hijitrigonia* subgen. nov. of *Vauconia* Jurassic, cosmopolitan distribution, **Kobayashi** Jap. J. Geol. Geogr. 26 1955 : p. 84.

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†*Myophorella* (*Myophorella*) *dekai-boda* sp. nov. p. 95 pl. 6 f. 6–9; *M. (Promyophorella)* subgen. nov. subgenotype: *M. (P.) sigmoidalis* p. 96 pl. 5 f. 1–3; *M. (P.) sugayensis* p. 97 pl. 5 f. 4; *M. (P.) orientalis* p. 98 pl. 5 f. 6, a, b; *M. (P.) obsoleta* p. 99 pl. 5 f. 7 spp. nov.; *M. (P.) sugayensis geniculata* var. nov. p. 97 pl. 5 f. 5; *M. (Haidaia)* *crenulata* p. 100 pl. 5 f. 8–10; *M. (H.) subcircularis* p. 101 pl. 6 f. 3 spp. nov.; *M. (H.) crenulata lunulata* p. 101 pl. 6 f. 1a, b, 2 var. nov. Jurassic, north Japan, **Kobayashi & Tamura** Jap. J. Geol. Geogr. 26 1955.

†*Oistotrigonia prima* sp. nov. Jurassic, Fukushima Prefecture, Japan, **Kobayashi & Tamura** Jap. J. Geol. Geogr. 26 1955 : p. 102 pl. vi f. 4a–b, 5.

†*Orthotrigonia midareta* p. 87 pl. 4 f. 11a, b; *O. corrugata* p. 87 pl. 6 f. 10 spp. nov. Jurassic, Kitakami Mts., North Japan, **Kobayashi & Mori** Jap. J. Geol. Geogr. 26 1955.

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†*Trigomyophoria* gen. nov. “for cancellate Myophorians on the basis of *Myophoria decussata* Munster, 1938”, **Kobayashi** Jap. J. Geol. Geogr. 25 1954 : p. 66.

†*Trigonia senex* p. nov. Jurassic, Miyagi Prefecture, Japan, **Kobayashi & Mori** Jap. J. Geol. Geogr. 25 1954 : p. 167, pl. 16, f. 8a, b; *T. longa costatissima* pl. 1 f. 1, 2; *T. corbierensis* “sp. var. nov. Cretaceous, France p. 62 (6) nov.” = *T. corbierensis* Villatte 1954.

Cretaceous, France p. 63 (7) pl. 1 f. 4, 4a, 4b, 5; *T. padernensis* "n. sp." [nom. nov.] = *T. jacobi* Villatte 1954; p. 67 (11), G. Petter-Receveur Ann. Paléont. 41 1955.

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†*Vaugonia niranohamensis* p. 80 pl. 3 f. 1-6; pl. 4 f. 1; *V. kodaijimensis* p. 82 pl. 3 f. 12-15; *V. namigashira* p. 83 pl. 3 f. 10, 11 spp. nov.; *V. yokoyamai* p. 81 pl. 3 f. 7-9 sp. nov. [for *Trigonia v-costata* (Lycett) Yokoyama, 1904, non Lycett]; †*Vaugonia (Hiji-trigonia)* subgen. nov. Type species: *V. (H.) geniculata* p. 84 pl. 4 f. 4-9; *V. (H.) kojiwa* p. 85 pl. 4 f. 2, 3 spp. nov. Jurassic, Kitakami Mts., North Japan, Kobayashi & Mori Jap. J. Geol. Geogr. 26 1955.

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Bartlettia stefanensis Moricand, apparent first record from Peru, F. Haas (3).

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Elliptio spinosus in the Altamaha River, I. R. Tomkins.

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Lamellidens lamellidens oxygen carrier in the blood, P. Rangneker (1).

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Margaritifer margaritifera growth, C. R. Boettger (3).

†*Naiadites* of the Carboniferous of Gt. Britain, A. Trueman & Weir.

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†*Psilunio stegersbachensis* sp. nov. Pannon (Tertiary) Austria, F. Sauerzopf Burgenland. Heimat Bl. 14 1 1952 : p. 9 pl. 1 f. 1-2.

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†*Astartella ? pusilla* sp. nov. Permian, Argentina, H. J. Harrington J. Paleont. 29 1 1955 : p. 118 pl. 25 f. 4; *Astartella* morphology, D. Nicol (1).

†*Cuna caerulea* sp. nov. Miocene, New Zealand, C. A. Fleming Trans. roy. Soc. N.Z. 82 5 1955 : p. 1053 pl. 40 f. 6, 7.

†*Opis ? elevata biangulata* var. nov. Cretaceous, North America, L. W. Stephenson Prof. Pap. U.S. geol. Surv. 264-B 1954 : p. 32 pl. 7 f. 15, 16.

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†*Venericardia southlandica* sp. nov. Miocene, New Zealand, **C. A. Fleming** Trans. roy. Soc. N.Z. **82** 5 1955 : p. 1053 pl. 40 f. 11, 12; *V. haskelli* sp. nov. Tertiary, Campbell Island, New Zealand, **C. A. Fleming** Cape. Exped. Ser. Bull. No. 3 1950 : p. 52 pl. 9 f. 2-5; *V. (Cyclocardia) otatsumei* sp. nov. Tertiary, Japan, **S. Uozumi** Trans. Palaeont. Soc. Japan, N.S. **19** 1955 : p. 76 pl. 12 f. 2.

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Corbicula japonica habitats of this group and some ecological aspects, **A. Fuji**; *Corbicula africana* (Krauss, 1848) = *C. radiata* auct. p. 158; *C. africana albertiana* subsp. nov. p. 160 f. 86b Uganda, **Mandahl-Barth** Ann. Mus. Congo belg. 8vo **32** 1954.

†*Filosina* gen. nov. Corbiculidae type *F. gregaria* sp. nov. Lower Cretaceous Southern England, **R. Casey** J. Wash. Acad. Sci. **45** 12 1955 p. 369 f. 1-3 6 c-d.

†*Hemicorbicula* subgen. nov. of *Eocallista* Corbiculidae subgenotype *Cyclas parva* J. de C. Sowerby, Upper Jurassic Purbeck beds = *Astarte socialis* Orbigny, **R. Casey** J. Wash. Acad. Sci. **45** 12 1955 p. 367 f. 4-5, 6b.

Lasaea rubra (Mont.) anatomy and mode of life, figs., **E. Oldfield**.

Pseudochama and distinctions from genera of the Chamidae, figs., **N. H. Odhker**.

†*Litigiella adelaidensis* sp. nov. Pliocene, Australia, **N. H. Ludbrook** Trans. roy. Soc. S. Aust. **78** 1955 : p. 57 pl. 3 f. 11 [nom. nud. loc. cit. **77** 1954 : p. 57].

†*Nemetia* gen. nov. Corbiculidae type *Platopsis triangularis* Whitfield Lower Cretaceous (Aptian) Syria, **R. Casey** J. Wash. Acad. Sci. **45** 12 1955 p. 371.

Pisidium victoriae p. 173 f. 92—*P. fistulosum* p. 174 f. 93 spp. nov. Uganda, **Mandahl-Barth** Ann. Mus. Congo belg. 8vo **32** 1954.

Sphaerium victoriae albertianum p. 166 f. 87c, 88; *S. victoriae lacuum* p. 166 f. 87b, 88 d-e; *S. stuhlmanni regularis* p. 169 f. 87g, 89d-e subsp. nov. Uganda, **Mandahl-Barth** Ann. Mus. Congo belg. 8vo **32** 1954.

Turtonia minuta (Fab.) Anatomy and mode of life, figs., **E. Oldfield**.

CYPRINACEA

Arctica islandica, as subject of a new food industry, **H. D. Russell**.

†*Cypricardinia biumbonata*; *C. pseudomira*; *C. consobrina*—description of figured specimens of J. Barrande 1881, **B. Ružička** (1).

Cyprina islandica. The ocean quahaug (fig.) in the maritime provinces of Canada, **Medcof & MacPhail**.

Cyrenopsis Etheridge 1902 placed in Neomiodontidae fam. nov. [q.v.], **R. Casey** (1).

†*Eomiodon* Cox placed in Neomiodontidae fam. nov. [q.v.], **R. Casey** (1).

†*Musculiopsis* MacNeil 1939 placed in Neomiodontidae fam. nov. [q.v.], **R. Casey** (1).

†*Myrene* gen. nov. (feminine) Arcticea Neomiodontidae [q.v.] genotype *Myrene fittoni* sp. nov. Upper Jurassic, S.-E. England, **R. Casey** Proc. Malac. Soc. London **31** 5/6 Dec. 1955 209 218 pl. 11 f. 1-2 text-fig. 9.

Neomiodon Fischer type genus of Neomiodontidae fam. nov. [q.v.], **R. Casey**.

†Neomiodontidae fam. nov. of Arcticea Pelecypoda (= Cyprinacea) including *Neomiodon* Fischer, *Eomiodon* Cox, *Myrene* gen. nov. Casey, *Cyrenopsis* Etheridge, and *Musculiopsis* MacNeil, **R. Casey** Proc. Malac. Soc. London **31** 5/6 Dec. 1955: 208.

GAIMARDIACEA

Gaimardia trapesina flemingi subsp. nov. New Zealand, **A. W. B. Powell** Cape Exped. Ser. Bull. No. 15 1955 : p. 28 pl. 1 f. 4.

DREISSENACEA

Cibitocola gen. nov. type ? *Congerina lunata* Hedley, **T. Iredale** Mollusca Part 1, Great Barrier Reef Expedition 1928-29 Sci. Report 5 No. 6 1939 p. 425.

†*Congerina spathulata praebalatonica* p. 9 pl. 1 f. 7-8; *C. gitneri majoritesta* p. 11 pl. 2 f. 6-7; *C. partschi subpannonica* p. 11 pl. 1 f. 5-6; *C. pancici longiconcha* p. 11 pl. 1 f. 3-4 **subsp. nov.** Pannon, (Tertiary) Austria, **F. Sauerzopf** Burgenland. Heimat Bl. **14** 1 1952.

Dreissena acceptance of name as emendation of *Driessena*, v. Beneden 1835, **Opinion 351**; *Dreissena polymorpha* (Pallas) in a closed pond, **G. W. Pitchford** (2); *Dreissena polyphorpha*, **D. Ludemann**.

†*Dreissena turislavica stegersbachensis* **subsp. nov.** Pannon (Tertiary) Austria, **F. Sauerzopf** Burgenland. Heimat. Bl. **14** 1 1952 : p. 11 pl. 2 f. 8-9.

Miridas **gen. nov.** for *Myrina coppingeri* Smith, **T. Iredale** Mollusca Part 1, Great Barrier Reef Expedition 1928-29 Sci. Report 5 No. 6 1939 p. 425.

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†*Claibornites* (*Saxolucina*) *quinquangulus* **sp. nov.** Tertiary, Japan, **S. Uozumi** Trans. Palaeont. Soc. Japan, N.S. **19** 1955 : p. 77 pl. 12 f. 6a, b.

†*Conchocele compacta minor* **subsp. nov.** Miocene, Tochigi Prefecture, Japan, **M. Ōmori** Sci. Rep. Tokyo Kyoiku Daig. **3** C 1954 : p. 90 pl. 7 f. 1a, b, 2.

†*Eomiltha* (*Gibbolucina*) *confirmans* **sp. nov.** Pliocene, Australia, **N. H. Ludbrook** Trans. roy. Soc. S. Aust. **78** 1955 : p. 49 pl. 2 f. 11 [nom. nud. loc. cit. **77** 1954 : p. 57].

†*Gonimyrtea salisburyensis* p. 50 pl. 2 f. 12; *G. crassior* p. 51 pl. 3 f. 3, 4; *G. validior* p. 52 pl. 3 f. 5, 6—*G. notabilior* p. 53 pl. 3 f. 7, 8 **spp. nov.** Pliocene, Australia, **N. H. Ludbrook** Trans. roy. Soc. S. Aust. **78** 1955 [nom. nud. loc. cit. **77** 1954 : p. 57].

†*Lucina shimogoensis* **sp. nov.** Miocene, Tochigi Prefecture, Japan, **K. Hirayama** Sci. Rep. Tokyo Kyoiku Daig. **3** C 1954 : p. 59 pl. v f. 1.

†*Lucinoma katayosensis* **sp. nov.** Miocene, Fukushima Prefecture, Japan, **S. Aoki** Sci. Rep. Tokyo Kyoiku Daig. **3** C 1954 : p. 34 pl. 1 f. 13, 14; *L. gracilistriata* p. 104 pl. x f. 1a-c, 2. Idegawa, Fukushima Prefecture, probably Upper Miocene; *L. shinokii* p. 105 pl. x f. 3a-c, 5a-b, 4, Kanagawa Prefec-

ture, Lower Miocene **spp. nov.** Japan, **K. Hirayama** Jap. J. Geol. Geogr. **25** 1-2 1954.

Maorithyas flemingi **sp. nov.** New Zealand, **A. W. B. Powell** Cape Exped. Ser. Bull. No. 15 1955 : p. 34 pl. 1 f. 1.

†*Miltha harrisi* nom. nov. for *Lucina cf. landanensis*, **K. E. Caster** 1938? (non *Lucina landanensis*, **E. Vincent** 1913) Africa, **E. Darteville & J. Roger** Comun. Serv. geol. Portug. **35** 1954 : p. 285.

†*Monitilora* (*Monitilora*) *idonea* p. 47 pl. 3 f. 1, 2; *M. (Prophetilora) chavani* p. 47 pl. 2 f. 13 **spp. nov.** Pliocene, Australia, **N. H. Ludbrook** Trans. roy. Soc. S. Aust. **78** 1955 [nom. nud. loc. cit. **77** 1954 : p. 57].

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Aclistothyra **gen. nov.** Galeomidae genotype *A. atlantica* **sp. nov.** off Palm Beach, Florida, **T. L. McGinty** Proc. Acad. nat. sci. Philad. **107** 1955 p. 84 pl. 2 f. 11, 11a.

Erycina type species, **Opinion 217**.

†*Properycina torrensensis* **sp. nov.** Pliocene, Australia, **N. H. Ludbrook** Trans. roy. Soc. S. Aust. **78** 1955 : p. pl. 3 f. 13 [nom. nud. loc. cit. **77** 1954 : p. 57].

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Agria in the Cretaceous, **Emberger** (1).

†*Barrettia gigas* **nom. nov.** for *B. monilifera* Whitfield 1897 non Woodward 1862, **L. J. Chubb** Amer. Mus. Novit. No. 1713 1955 p. 9

†*Durania coahuilensis* **sp. nov.** Cretaceous, Mexico, **F. Mullerried** Ciencia, Mex. **12** 1-2 1952 : p. 36 f. 1-4.

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†*Cardium* (*Granocardium*) *lowei* **sp. nov.** Cretaceous, North America, **L. W. Stephenson** Prof. Pap. U.S. geol. Surv. **274-E** 1955 : p. 119 pl. 19 f. 1-8; *C. (Acanthocardia) andrussovi latecostatum* **subsp. nov.** p. 150 pl. iv f. 1-3; *C.*

(*Limnocardium*) *solense* p. 151 pl. iv f. 5, 6; *C. (L.) lamellosum* p. 151 pl. iv f. 9, 10; *C. (L.) plicatiforme* p. 152 pl. iv f. 7; *C. (L.) subplicatiforme* p. 152 pl. iv f. 13; *C. (L.) rotundum* p. 153 pl. iv f. 8; *C. (L.) kolesnikovi* p. 153 pl. iv f. 11 spp. nov. Miocene, Czechoslovakia, **J. Senes** Geol. Práce Slovensk. Akad. 40 1955; *C. (Replidacna) krambergeri* sp. nov. Pannon (Tertiary) Austria, **F. Sauerzopf** Burgenland. Heimat Bl. 14 1 1952 : p. 11 pl. 2 f. 10-11.

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†*Laevicardium fiski* sp. nov. from well off mouth of the Mississippi River, **H. G. Richards** Natul. Nat. Acad. Nat. Sci. Philad. No. 263 1954 p. 2 f. 1, 2.

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†*Nemocardium (Pratulium) proterothetidis* sp. nov. Pliocene, Australia, **N. H. Ludbrook** Trans. roy. Soc. S. Aust. 78 1955 : p. 64 pl. 3 f. 16, 17 [nom. nud. loc. cit. 77 1954 : p. 57].

†*Serripes expansus* sp. nov. Miocene, Tochigi Prefecture, Japan, **K. Hirayama** Sci. Rep. Tokyo Kyoiku Daig. 3 C 1954 : p. 66 pl. 4 f. 1, 2.

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†*Vasticardium tochiensis* sp. nov. Miocene, Tochigi Prefecture, Japan, **K. Hirayama** Sci. Rep. Tokyo Kyoiku Daig. 3 C 1954 : p. 64 pl. 3 f. 13-15; *V. (Vasticardium) submaculosum* p. 60 pl. 4 f. 18; *V. (Regozara) praecygnorum* p. 61 pl. 4 f. 12 spp. nov. Pliocene, Australia, **N. H. Ludbrook** Trans. roy. Soc. S. Aust. 78 1955 [nom. nud. loc. cit. 77 1954 : p. 57].

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†*Callista pseudobrevisiphonata* sp. nov. Miocene, Tochigi Prefecture, Japan, **K. Hirayama** Sci. Rep. Tokyo Kyoiku Daig. 3 C 1954 : p. 68 pl. 4 f. 4-6; *C. chinensis*

takagii subsp. nov. Miocene, Japan, **K. Masuda** Trans. Palaeont. Soc. Japan N.S. 20 1955 p. 121 pl. 19 f. 7.

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†*Tawera incurvilamellata* sp. nov. Pliocene, Australia, **N. H. Ludbrook** Trans. roy. Soc. S. Aust. 78 1955 : p. 68 pl. 3 f. 18, 19 [nom. nud. loc. cit. 77 1954 : p. 57].

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Venus mercenaria population, **Dow & Wallace**; *V. mercenaria* the quahaug, fig., **Medcof & MacPhail**.

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†*Ervilia (?) minima* sp. nov. Miocene, Czechoslovakia, **J. Seneš** Geol. sbornik Slovensk. Akad. 3 3-4 1953 : p. 233 pl. xxxiii f. 19-20.

†*Lutraria sanna longa* subsp. nov. Miocene, Czechoslovakia, **J. Senes** Geol. Práce Slovensk. Akad. 40 1955 : p. 154 pl. v f. 5-6.

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†“*Macoma*” [?] *prima* sp. nov. Tertiary, Fukushima Prefecture, Japan, K. Hirayama Sci. Rep. Tokyo Kyoiku Daig. 4 1955 : p. 106 pl. iv f. 24, 25.

†*Macoma ishimoriensis* sp. nov. Miocene, Fukushima Prefecture, Japan, S. Aoki Sci. Rep. Tokyo Kyoiku Daig. 3 C 1954 : p. 37 pl. 2 f. 21.

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†*Tellina hamadai* sp. nov. p. 122 pl. 19 f. 10, 11.—*T. notoensis* sp. nov. p. 122 pl. 19 f. 12, Miocene, Japan, K. Masuda Trans. Palaeont. Soc. Japan N.S. 20 1955; *T. buboana* sp. nov. Cretaceous, North America, L. W. Stephenson Prof. Pap. U.S. geol. Surv. 274-E 1955 : p. 121 pl. 20 f. 12-14.

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†*Panope rhomboidea* sp. nov. Tertiary, Fukushima Prefecture, Japan, K. Hirayama Sci. Rep. Tokyo Kyoiku Daig. 4 1955 : p. 108 pl. 3 f. 12, 13.

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†*Aphanaia ? orbirugata* sp. nov., *Posidonia orbirugata* Harrington, 1947 (nomen nudum), p. 27. Permian, Argentina, H. J. Harrington J. Paleont. 29 1 1955 : p. 121 pl. 24 f. 7.

†*Corbula depressa minima* var. nov. Upper Noric Trias Val Solda, Italy, S. Conti Mem. Carte geol. ital. 30 1954 p. 114 pl. iii f. 10a-b, text-fig. 39; *C. adelaidensis* nom nov. for *C. equivalis* N. H. Woods, 1931 (non Philippi, 1836) Pliocene, Australia, N. H. Ludbrook Trans. roy. Soc. S. Aust. 78 1955 : p. 78.

†*Cowperesia* gen. nov. genotype *C. anceps* (Reed) Permian, J. C. Mendes Bol. Fac. Filos Cienc. S. Paulo 145 8 1952 pp. 4 86 pl. ii f. 3a, b, pl. iv f. 2a-5b.

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†*Myophoriopsis (Pseudocorbula) sancti mametis* p. 100 pl. ii f. 18 text-fig. 27; *M. (P.) subpyramidata* p. 102 pl. ii f. 20, 21 text-figs. 28-30; *M. (P.) repositii* p. 103 pl. 11 f. 22 text-fig. 31; spp. nov. Upper Norico, S. Conti Mem. Carte geol. ital. 30 1954.

†*Parmicorbula moodiana* sp. nov. Pepper Shale (Cretaceous) Lemmon Co., Texas, **L. W. Stephenson** Prof. Pprs. U.S. geol. Surv. 243E 1953 pp. 57 63 pl. 13 f. 21-23.

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†*Allorisma inflectoventris* sp. nov. Permian, Argentina, **H. J. Harrington** J. Paleont. 29 1 1955 : p. 126 pl. 24 f. 8.

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†*Myodora ikebei* sp. nov. Pleistocene Japan, **T. Habe** Illust. Catal. Jap. Shells No. 4 1950 p. 30 pl. 4 f. 17.

†*Oliveiraia* gen. nov. genotype *Thracia pristina* Reed 1929, status of *Paresia J. C. Mendes* Bol. Fac. Filos. Cienc. S. Paulo 1954 175 (10) pp. 104 pl. 3 f. 8

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†*Pholadomya quenstedti* 'n. nom.' [sp. nov.] Retia Val Solda, Lugano, Italy, **S. Conti** Mem. Carte geol. ital. 30 1954 p. 153 pl. v f. 10 text-fig. 46; *P. japonica* Yokoyama subsp. of *Cyrtopleura dilatata* (Soulayet), **Hatai & Nisiyama** J. geol. Soc. Japan 56 654 1950 p. 100 text-fig.; *P. (Procardia) ziergiebeli* sp. nov. Callovian [Germany], **A. Zeiss** Neues Jb. Geol. Paläont. 11 1955 : p. 499 f. 1a-c.

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†*Brechites (Warnea) yokoyamai* sp. nov. Pliocene, Japan, **T. Shikama** Sci. Rep. Yokohama Univ. Sect. II No. 3 1954 : p. 63 pl. 3 f. 1a-d.

†*Gresslya agassizi pseudopolonica* subsp. nov. **W. Wetzel** Palaeontographica A105 3-6 1954 p. 149 pl. 22 f. 10.

Cephalopoda

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†*Ammonoidea* Zittel 1884 an addition of names to Official list and type genus, **W. J. Arkell**; †*Ammonoidea*, suppression of five early and obsolete generic names, **Opinion 304**.

†*Apogonoceras* **gen. nov.** p. 133 *Triboloceratidae*, genotype: *A. remotum* **sp. nov.** p. 134 pl. xi f. 8, Permian, Southern Ural, **V. E. Ruzhentzev & V. N. Shimanskii** *Trav. Inst. paléont. Acad. Sci. U.S.S.R.* **50** 1954.

†*Aptychus* Meyer, 1831—*Aptychus* Deshayes, 1845, in Lamarck *Hist. Anim. sans Vertèbr.* (ed. 2) **11** : 228 (an emendation of *Aptychus* Meyer, 1831) proposed suppression by the Plenary Powers, **W. J. Arkell** (4).

†*Argonauta kagana* p. 341 pl. 1 f. 1a, b, c—*A. kasataniensis* p. 343 pl. 1 f. 4, 5, 6 **spp. nov.** Late Miocene or early Pliocene, Ishikawa Prefecture, Japan, **Y. Kaseno** *Sci. Rep. Kanazawa Univ.* **3** 2 1955.

†*Arieticerias* Quenstedt 1883 rejection of names and addition to list of *Arieticerias* Seguenza 1885, **Opinion 337**.

†*Articheilus* **gen. nov.** p. 89 *Mosquoceratidae* genotype: *A. luxuriosum* **sp. nov.** p. 90 pl. viii f. 7; pl. ix f. 1. Permian, Southern Ural, **V. E. Ruzhentzev et V. N. Shimanskii** *Trav. Inst. paléont. Acad. Sci. URSS* **50** 1954.

†*Aspidoceras* Zittel, 1868 proposal to place the generic name on the *Official List of Generic Names in Zoology*, **W. J. Arkell** (4); *A. (Euaspidoceras) rotundatum* **sp. nov.** p. 187 pl. 30 f. 5-16, **O. Haas** *Bull. Amer. Mus. nat. Hist.* **103** 1 1955; *A. (Euaspidoceras) hermonis* **nom. nov.** for *A. perarmatum* Sow. **sp. Noetting**, **O. Haas** *Bull. Amer. Mus. nat. Hist.* **108** 1 1955 179.

†*Aturia* c.f. *alabamensis* (Morton) Eocene Cyrenaica, figs., **O. Haas**; *Aturia* in the Miocene of Japan,

Kobayashi & Mastani; *A. minoensis* **sp. nov.** Miocene, Hazamagahora, central Japan, **T. Kobayashi** *Jap. J. Geol. Geogr.* **25** 1-2 1954 : p. 36 pl. 5 f. a-d; text-f. 1; *A. peruviana*—first record from Costa Rica, **A. K. Miller, Furnish & Paguaga**; *A. stansburiensis* **sp. nov.** Oligocene, South Australia, **M. F. Glaessner** *Rec. S. Aust. Mus.* **11** 4 1955 : p. 357 pl. 34 f. 1a, b.

†*Aturoidea brunnschweileri* **sp. nov.** Mid Eocene, Giralia Range, North West Cape area, Western Australia, **Glenister, Miller & Furnish**, *J. Paleont.* **30** 3 1956 : p. 500 pl. 55 f. 1, 2, 5, 6 pl. 56 f. 1, 2.

†*Aulacostephanus* Tornquist 1896, Designation of type species, **Opinion 302**.

†*Bactrites sempiternus* p. 72 pl. viii f. 9, 10—*B. ? ultuganensis* p. 74 pl. VIII f. 8 **spp. nov.** Permian, southern Ural, U.S.S.R., **V. N. Shimanskii** *Trav. Inst. Paléont. Acad. Sci. URSS* **44** 1954.

†*Balearites* 'gen. nov.' *Crioceras balearic* Nolan 1894 taken as type Cretaceous, Majorca, **S. S. Sarkar** *C.R. Soc. géol. Fr.* **4** 1954 p. 98.

†*Baltoceras minor* **sp. nov.** Chazy, North America, **R. H. Flower** *J. Paleont.* **29** 5 1955 : p. 810 pl. 80 f. 5-6.

†*Barroisiceras haberfellneri hemitisotiformis* **subsp. nov.** Cretaceous, Austria, **B. Plöschinger** *S.B. öst. Akad. Wiss. Abt. I* **164** 4-5 1955 : p. 203 pl. 1.

†*Basleonautilus* **gen. nov.** *Aktubonautilidae* genotype: *Pleuronautilus dyadicus* Haniel, 1915. Permian, Southern Ural, **V. E. Ruzhentzev et V. N. Shimanskii** *Trav. Inst. paléont. Acad. Sci. U.S.S.R.* **50** 1954 : p. 102.

†*Belemnitomimus* **gen. nov.** *Bactritoidea* p. 91 type species *B. palaeozoicus* **sp. nov.** p. 92 pl. xii f. 1, 2. Permian, Southern Ural, **V. N. Shimanskii** *Trav. Inst. Paléont. Acad. Sci. URSS* **44** 1954.

†*Belemnitella praecursor media* p. 497 Pl. 57 f. 4a-b, pl. 56 f. 2—*B. praecursor mucronatiformis* p. 497 pl. 56 f. 5a-d **vars. nov.** Cretaceous, U.S.S.R., **J. A. Jeletzky** *J. Paleont.* **25** 3 1955.

†*Belemnites listeri* proposal to suppress the specific name *listeri* Mantell, 1822, as published in the above combination, and to place it on the *Official Index of Rejected and Invalid Specific Names in Zoology*—*B. minimus* proposed to place the specific name *minimus*, Miller (J. S.), 1826, as published in the above combination, on the *Official List of Specific Names in Zoology*, H. Swinnerton Bull. zool. Nom. 9 1954 : 284-285.

†*Belemnopsis* (or *Hibolites*) *compressa* sp. nov. p. 163 pl. xv f. 28—*B. kunkotensis* Waagen *puenensis* var. nov. p. 164 pl. xiv f. 4, 9, 12, 13, 15, pl. xv f. 24, 30, 31, 34, 36, 37, 38, 39 pl. xvi f. 5, 11, 17 Jurassic, Central New Caledonia, J. Avias Sciences de la Terre, Nancy, 1 1-2 1953.

†*Belosepiella* De Alessandri 1905 "Type species here designated" *Belosepiella cossmanni* De Alessandri, D. Cassey Proc. Malac Soc. London 31 116.

†*Belosepiella parisiensis* De Alessandri and its occurrence in the English Eocene, fig., D. Curry.

†*Burenoceras cornucopiaforme* sp. nov. Oneota dolomite, Ordovician, Minnesota, U.S.A., L. Powell Sci. Bull. Sci. Mus. St. Paul Inst. 1 1935 : p. 70 pl. 8. f. 1-3.

†*Beudanticeras revoili elegans* nom. nud. Cretaceous, Egypt, I. G. E. Mahmoud Bull. Inst. Egypt 36 1 1955 : p. 224.

†*Borissiakoceras orbiculatum* sp. nov. Cretaceous, North America, L. W. Stephenson Prof. Pap. U.S. geol. Surv. 274-C 1955 : p. 64 pl. 6 f. 1-4.

†*Campbelloceras overmani* sp. nov. Ordovician, North America, R. Heller Bienn. Rep. Mo. Bur. Geol. Min. (2) 35 1954 : p. 41 pl. 17 f. 6-8.

†*Canavarella helvetica* sp. nov. Jurassic, Switzerland, P. L. Maubeuge Schweiz. palaeont. Abh. 71 1955 : p. 26 pl. 11 f. 1, a, b, c.

†Cephalopoda. Trails and tentacular impressions of cephalopods in the Corryville of Cincinnati, America, R. H. Flower (3).

†*Ceratites nodosus optimus* p. 13 pl. 6 f. 37; *C. nodosus subpostspinosus* p. 14 pl. 6 f. 38 subspp. nov.; *C.*

meissnerianus p. 16 pl. 3 f. 18 sp. nov. Triassic, Germany, H. Penndorf Abh. senckenb. Naturf. Ges. No. 484 1951.

†*Cimonia tenuicosta* sp. nov. Maestrichtian Miria marl, Cardabia Range, North West Cape area, Western Australia, Glenister, Miller & Furnish, J. Paleont. 30 3 1956 : p. 495 pl. 53 f. 1-9.

†*Collignonicerias* gen. nov. Acanthoceratidae p. 361, genotype : *C. hammersleyi* p. 361 f. 7-9; *C. peregrinator* p. 364 f. 10, 11 spp. nov. *C. vinassai* Venzo = *Mortonicerias vinassai* Venzo 1936?—Cretaceous, Zululand, E. van Hoepen S. Afr. J. Sci. 51 12 1955.

†*Chelonicerias* Hyatt, 1903, proposal to designate as type-species *Ammonites cornuelianus* d'Orbigny, 1841 and to place the generic name *Chelonicerias* on the *Official List of Generic Names in Zoology*, R. Casey & C. W. Wright Bull. zool. Nom. 9 1954 : p. 280.

†*Caenisites* Buckman, 1925, proposed suppression of the name, W. J. Arkell & D. T. Donovan.

†*Clymenia* Taxonomy and Nomenclature, O. H. Schindewolf.

†*Condraoceras ellipsoidale* sp. nov. Permian, Southern Ural, V. E. Ruzhentzev & V. N. Shimanskii Trav. Inst. paléont. Acad. Sci. U.S.S.R. 50 1954 : p. 129 pl. xii f. 4.

†*Ctenobactrites mirus* sp. nov. Permian, Southern Ural, V. N. Shimanskii Trav. Inst. Paléont. Acad. Sci. URSS 44 1954 : p. 82 pl. ix f. 1, 2.

†*Dentoceras* gen. nov. Dentoceratidae fam. nom. q. v., V. E. Ruzhentzev & V. N. Shimanskii.

†*Dentoceratidae* fam. nov. p. 141; *Dentoceras* gen. nov. p. 141; genotype: *D. magnum* p. 142 pl. xv f. 1; *D. ultraganense* p. 142 pl. xiv f. 1; *D. latum* p. 143 pl. xiv f. 2 spp. nov. Permian, Southern Ural, V. E. Ruzhentzev & V. N. Shimanskii Trav. Inst. paléont. Acad. Sci. U.S.S.R. 50 1954.

†*Docidoceras liebi* sp. nov. Jurassic, Switzerland, P. L. Maubeuge Schweiz. palaeont. Abh. 71 1955 : p. 42 pl. 9 f. 1a-d, 2.

†*Dolorthoceras sociale*—from the Maquoketa at Graf, Iowa, P. Tasch (1).

†*Douvilleiceras* de Grossouvre, 1893, proposal to designate a type species, **R. Casey** (2); *Douvilleiceras coronatum* proposal to place on the *Official List of Specific Names in Zoology* the specific name *coronatum* Rouchadzé, 1932 as published in the above combination, **R. Casey & C. W. Wright** Bull. zool. Nom. 9 1954 : p. 280.

†*Dunveganoceras clowi* p. 66 pl. 9 f. 1, 3; *D. hagei* p. 69 pl. 5 f. 1 spp. nov. Cretaceous, Canada, **P. S. Warren & C. R. Stelek** Rep. Res. Counc. Alberta No. 70 1955.

†*Endolobus clorensis* sp. nov. Clore limestone, Carboniferous, Kentucky, U.S.A., **C. Collinson** J. Palaeont. 29 1 1955 : p. 178 text-f. 1-3.

†*Eomadrastites* gen. nov. Kossmaticeratidae p. 132. Type species: *Eomadrastites nipponicus* p. 135 pl. x f. 3; Text-f. 7a-c; *E. subnipponicus* p. 137 pl. x f. 2a-b; Text-f. 9a-c spp. nov. Cretaceous, Hokkaido, Japan, **T. Matsumoto** Jap. J. Geol. Geogr. 26 1-2 1955.

†*Eotetragonites breistrofferi* nom. nud. Cretaceous, Egypt, **I. G. E. Mahmoud** Bull. Inst. Egypt. 36 1 1955 : p. 223.

†*Erioliceras* gen. nov. Erioliceratidae fam. nov. q.v., **E. van Hoepen** (2).

†Erioliceratidae fam. nov. Ammonoidea type genus: *Erioliceras* gen. nov. p. 378 genotype: *E. tenuis* p. 378 f. 32; *E. elegans* p. 379 f. 33; *E. humilis* p. 380 f. 34 spp. nov. Cretaceous, Zululand, **E. van Hoepen** S. Afr. J. Sci. 51 12 1955.

†*Foodiceras whnneiforme* [sic] sp. nov. p. 184, as *Foordiceras whyneiforme* pl. 1 f. 1 (= *Foordiceras wynneiforme* p. 185) Permian, Japan, **Hayasaka & Ozaki** Sci. Rep. Kanazawa Univ. 3 1 1955.

†*Gardeniceras* subgen. nov. of *Hauericeras* de Grossouvre, subgenotype: *Ammonites gardeni* Baily, 1855, Cretaceous, Japan, **T. Matsumoto & I. Obata** Mem. Fac. Sci. Kyushu Univ. 5D 3 1955 : p. 134.

†*Gattendorfia stummi* sp. nov. Carboniferous, U.S.A., **A. K. Miller & H. F. Garner** Contr. Mus. Geol. Univ., Michigan 12 8 1955 : p. 125 pl. 6 f. 6, 7.

†*Gauthiericeras* de Grossouvre, type genus of Gauthiericeratidae fam. nov. q. vide, **E. van Hoepen** (1).

†Gauthiericeratidae fam. nov. p. 367 Ammonoidea type genus: *Gauthiericeras* de Grossouvre, emend. v. **Hoepen** genotype: *G. margae* de Gros.; *G. libertae* p. 372 f. 23-25; *G. obesum* p. 374 f. 26-28; *G. planulatum* p. 374 f. 29-31 spp. nov. Cretaceous, Zululand, **E. van Hoepen** S. Afr. J. Sci. 51 12 1955.

†*Glyptophraceras japonicum* sp. nov. **K. Nakazawa and D. Shimizu** Trans. Palaeont. Soc. Japan N.S. 17 1955 p. 16 pl. 3 f. 1, 2.

†*Gzheloceras* gen. nov. Gzheloceratidae fam. nov. q. vide, **V. E. Ruzhentzev & V. N. Shimanskii**.

†Gzheloceratidae fam. nov. Nautiloidea p. 74; *Gzheloceras* gen. nov. p. 75 type species *G. uralense* p. 78 pl. vii f. 4; *G. sholakenense* p. 76 pl. vii f. 3; *G. ellipsoidale* p. 79 pl. vii f. 5-8; *G. biangulare* p. 81 Pl. viii f. 1, 2 spp. nov. Permian, Southern Ural, **V. E. Ruzhentzev et V. N. Shimanskii** Trav. Inst. paléont. Acad. Sci. URSS 50 1954.

†*Hammatoceras tuberculata* p. 86, pl. 8 f. 2 holotype; pl. 7 f. 1; pl. 9 f. 1; text-f. 3-5; *H. subtile* p. 89, pl. 7 f. 3; pl. 8 f. 4; pl. 9 f. 3; *H. hosourense* p. 91, pl. 9 f. 5, 6 (holotype); pl. 7 f. 2, 5, 6; text-f. 8-14 spp. nov. Jurassic, Japan, **T. Sato** Jap. J. Geol. Geogr. 25 1954.

†*Harpoceras* Waagen 1869. Designation of type species, **Opinion 303**.

†*Hauericeras* (*Gardeniceras*) subgen. nov. Cretaceous, Japan, **T. Matsumoto & I. Obata** Mem. Fac. Sci. Kyushu Univ. 5D 3 1955 : p. 134; *Hauericeras* "is not a typical member of the Desmoceratidae (s.s.) nor of the Puzosiidae and should be placed in the subfamily Hauericeratinae", **Matsumoto & Obata**.

†*Hecticoceras* (*Sublinuloceras*) *socivum* sp. nov. p. 42 pl. 6 f. 26-38 pl. 7, f. 1-10; *H. (Brightia) syriacum* p. 56 pl. 8 f. 36-54 pl. 9 f. 1-14; *H. (Putealicerases) solare* p. 73 pl. 11 f. 33-57 pl. 12 f. 1-12; spp. nov. **O. Haas** Bull. Amer. Mus. nat. Hist. 103 1 1955.

†*Hemibactrites* gen. nov. Bactritoidea p. 75 type species: *H. ellipsoidalis* p. 77 pl. viii f. 1-5; *H. primus* spp. nov. p. 76 pl. VIII f. 6, 7. Permian, Southern Ural, U.S.S.R., **V. N. Shimanskii** Trav. Inst. Paléont. Acad. Sci. URSS 44 1954.

†*Hemiliroceras* gen. nov. p. 125. Liroceratidae, genotype *H. inflatum* sp. 126 pl. xii f. 2; *H. zhiltaiense* p. 127 pl. xii f. 3 spp. nov. Permian, Southern Ural, V. E. Ruzhentzev & V. N. Shimanskii Trav. Inst. paléont. Acad. Sci. U.S.S.R. 50 1954.

†*Heurekoceras* gen. nov. Gzheloceratidae, p. 82 type species: *H. notabile* sp. nov. p. 83 pl. viii f. 3. Permian, Southern Ural, V. E. Ruzhentzev et V. N. Shimanskii Trav. Inst. paléont. Acad. Sci. URSS 50 1954.

†*Hoplites* Neumayr 1875, Validation of name, Opinion 353.

†*Hudsonoceras* gen. nov. p. 351 Manchuroceratidae, genotype *Hudsonoceras aristos* sp. nov. Palaeozoic, America, R. H. Flower J. Paleont. 29 3, 1955 : p. 352, pl. 32 f. 1-4, pl. 33 f. 1-13, text-f. 3.

†*Hulenites* gen. nov. Kossmaticeratidae. Type species: *Puzosia reesidei* Anderson, 1938, also includes *Puzosia diadema* Anderson, 1938, *P. jimboi* Anderson, 1938, *P. onona* Anderson, 1938, T. Matsumoto Jap. J. Geol. Geogr. 26 1955.

†*Hypophylloceras* (*Hyporbulites*) *aegyptiacum* nom. nud. Cretaceous, Egypt, I. G. E. Mahmoud Bull. Inst. Egypt. 36 1 1955 : p. 223.

†*Izumonauta* gen. nov. Argonautinae, genotype: *Izumonauta lata* sp. nov. Miocene, Shimone Prefecture, Japan, T. Kobayashi, Jap. J. Geol. Geogr. 25 1-2 1954 : p. 31 pl. 3 f. 1-4.

†*Kabylites* 'gen. nov.' Ammonitacea *Bochianites superstes* Peru 1910, taken as type, M. D. Delga C.R. Soc. géol. Fr. 7 1954 : p. 136 text-f. B.

†*Kaiparaites* gen. nov. Kossmaticeratidae, Type species: *Madrasites multicostratus* Marshall, 1926; *Kossmaticeras multicostratus* (Marshall), *K. regularis* (Marshall), *K. sulcatus* (Marshall), *K. natalensis* (Crick MS) (Spath), *K. acuticostratus* (Crick MS) (Spath) and probably *K. buddhaicus* (Kossmat) and (?) *K. faku* (van Hoepen) are referred to this genus. Cretaceous, T. Matsumoto Jap. J. Geol. Geogr. 26 1-2 1955.

†*Karapadites* gen. nov. Kossmaticeratidae, Type species: *Holcodiscus karapadensis* Kossmat, 1897, mono-

typic. Arrialoor group in India, Upper Campanian (?), T. Matsumoto Jap. J. Geol. Geogr. 26 1-2 1955.

†*Kazakhstania americana* sp. nov. Carboniferous, U.S.A., A. K. Miller & H. F. Garner Contr. Mus. Geol. Univ. Michigan 12 8 1955 : p. 129 pl. 1 f. 3; pl. 6 f. 2, 3.

†*Kingites shimizui* sp. nov. Triassic, Kwanto Massif, Japan, S. Sakagami Sci. Rep. Tokyo Kyoiku Daig. 4 1955 : p. 138 pl. 2 f. 2a-c.

†*Kinoceras serenum* sp. nov. Permian, Southern Ural, V. N. Shimanskii Trav. Inst. paléont. Acad. Sci. URSS 44 1954 : p. 132 pl. 111 f. 10-12.

†*Koninckioceras* from the Japanese Permian, I. Hayasaka.

†*Kosmoceras* Waagen 1869. Designation of type species, Opinion 303.

†*Kossmaticeras japonicum* (ex. Yabe MS.), "sp. nov." Cretaceous, Hokkaido and Saghalien, Japan, T. Matsumoto Jap. J. Geol. Geogr. 26 1-2 1955 : p. 150 pl. ix, f. 3a, b.

†*Lamottoceras* gen. nov. Endoceratidae p. 813 genotype: *Lamottoceras ruedemanni* sp. nov. p. 815 pl. 77 f. 3-13; pl. 78 f. 1-9, 11-13; *L. nodosum* sp. nov. p. 817 pl. 77 f. 2, 14, 15; Pl. 78 f. 10 Chazy, North America, R. H. Flower J. Paleont. 29 5 1955.

†*Leonardocheilus* gen. nov. Mosquoceratidae, genotype: *Temnocheilus inaequilaterale* Miller et Youngquist, 1949. Permian, Southern Ural, V. E. Ruzhentzev et V. N. Shimanskii Trav. Inst. paléont. Acad. Sci. URSS 50 1954 : p. 92 pl. iii f. 8.

†*Lepthoplites toplanianus* sp. nov. Cretaceous, Serbia, M. Z. Anđelković Ann. géol. Pén. Balkan 22 1954 : p. 65 pl. vii f. 4.

†*Lewisiceras australis* sp. nov. Cretaceous, Zululand, E. van Hoepen S. Afr. J. Sci. 51 12 1955 : p. 364 f. 12-14.

†*Ludwigia pseudocrassa* p. 27 pl. 4 f. 4a, b; *L. reicheli* p. 28 pl. 5 f. 1a-c; *L. betznauensis* p. 28 pl. 4 f. 3a-c spp. nov. Jurassic, Switzerland, P. L. Maubeuge Schweiz. palaeont. Abh. 71 1955.

†*Mariceras* gen. nov. p. 138 Scyphoceratidae, genotype: *M. ferum* sp. nov. p. 139 pl. xiii f. 6, 7. Permian, South-

ern Ural, **V. E. Ruzhentzev & V. N. Shimanskii** Trav. Inst. paléont. Acad. Sci. U.S.S.R. **50** 1954.

†*Marshallites* gen. nov. p. 119 Kossmaticeratidae. Type species: *Marshallites compressus* 'sp. nov.' p. 123, pl. 8 f. 1a, b, 2; text-f. 1, 2. "Listed by Matsumoto, 1942 p. 193 and elsewhere as *Maorites compressus* (nom. nud.)", **Matsumoto** Jap. J. Geol. Geogr. **26** 1-2 1955.

†*Marshallitinae* subfam. nov. Kossmaticeratidae, for *Marshallites*, nov. *Holcodiscoides* Spath, 1922, *Eogunna-rites* Wright & Matsumoto, 1954, *Hulenites* nov., *Eomadrasites* nov., **T. Matsumoto** Jap. J. Geol. Geogr. **26** 1955 : p. 119.

†*Mayaitidae* Spath on proposed protection of family-group, **W. S. Arkell** (1).

†*Megatyloceras* Humphrey, 1949 proposal to place the generic name on the *Official List of Generic Names in Zoology*, **R. Casey & C. W. Wright** Bull. zool. Nom. **9** 1954 : p. 280.

†*Menuites japonicus* p. 158 pl. 31 f. 1a-c, 2a-d, 3a-b; pl. 33 f. 2a-d, 3a-c; text-f. 4a-b, 5a-c; *M. naibutien-sis* p. 164 pl. 33 f. 1a-d; *M. pusillus* p. 165 pl. 32 f. 1a-d, 3a-c, 4a, b spp. nov. Cretaceous, Hokkaido and Saghalien, Japan, **T. Matsumoto** Mem. Fac. Sci. Kyushu Univ. **5D** 3 1955.

†*Merocanites drostei* sp. nov. Carboniferous, America, **C. W. Collinson** J. Paleont. **29** 3 1955 : p. 434 pl. 45 f. 1, 2.

†*Mesnaquaceras* gen. nov. Michelino-ceratidae p. 820 genotype: *Mesnaquaceras curvisseptatum* sp. nov. p. 821 pl. 79 f. 7-8 Chazy, North America, **R. H. Flower** J. Paleont. **29** 5 1955.

†*Metaceras subpizovi* p. 57 pl. iv f. 1; *M. paratiense* p. 61 pl. iv f. 5, pl. v f. 1-3; *M. kruglovi* p. 63 pl. v f. 4; *M. orthogonium* p. 64 pl. vi f. 1, 2 — *M. subquadratum* p. 66 pl. vi f. 3, 4; *M. altilatobatum* p. 67 pl. vi f. 5 spp. nov. Permian, southern Ural, **V. E. Ruzhentzev et V. N. Shimanskii** Trav. Inst. paléont. Acad. Sci. URSS **50** 1954.

†*Microbactrites* gen. nov. Bactritoidea p. 93 type species *Parabactrites scorobogatovae* Shimansky, 1948; *M. scorobogatovae* (Shimansky) p. 94 pl. xi f. 1, 2 — *M. parvus* sp. nov. p. 94 pl. xi

f. 3. Permian, Southern Ural, **V. N. Shimanskii** Trav. Inst. Paléont. Acad. Sci. URSS **44** 1954.

†*Mirabiloceras* gen. nov. p. 360 Allotrioceratidae genotype *Mirabiloceras multitubulatum* sp. nov. p. 364, pl. 35 f. 1-9 text-f. 5. Palaeozoic, America, **R. H. Flower** J. Paleont. **29** 3 1955.

†*Mooreoceratidae* fam. nov., **V. N. Shimanskii** Trav. Inst. paléont. Acad. Sci. URSS **44** 1954 : p. 119.

†*Morphoceras multiforme* nom. nov. = *Am. polymorphus* d'Orb. 1846, p. 379 pl. 124 f. 1-4 only, non Quenstedt 1845, **W. J. Arkell** Palaeontogr. Soc. [Monogr.] **5** 1955 : p. 132 pl. xvi f. 1, 2 text-fig. 47, 50.

†*Mosquoceras* gen. nov. Mosquoceratidae fam. nov. q. v. **V. E. Ruzhentzev & V. N. Shimanskii**.

†*Mosquoceratidae* fam. nov. p. 84 — *Mosquoceras* gen. nov. p. 85 type species *Nautilus tchernyschewi* Tzwetaev, 1888; *M. simense* p. 86 pl. viii f. 4; *M. jakowlewii* p. 87 pl. viii f. 5, 6 spp. nov. Permian, Southern Ural, **V. E. Ruzhentzev et V. N. Shimanskii** Trav. Inst. paléont. Acad. Sci. URSS **50** 1954.

†*Muensteria* Eudes-Deslongchamps, 1835, proposed suppression by the Plenary Powers, **W. J. Arkell** (4).

†*Münsteroceras pergibbosum* sp. nov. Carboniferous, U.S.A., **A. K. Miller & H. F. Garner** Contr. Mus. Geol. Univ. Michigan **12** 8 1955 : p. 140 pl. 2 f. 12, 13; pl. 7 f. 1, 2.

†*Murrayoceras primum* sp. nov. lower Chazy, North America, **R. H. Flower** J. Paleont. **29** 5, 1955 : p. 811 pl. 77 f. 1 pl. 79 f. 1.

†*Nanno* n.sp. description without name. Chazy, North America, **R. H. Flower** J. Paleont. **29** 5 1955 : p. 812 pl. 81 f. 6-7.

†*Nautilus* in the Miocene of Japan, **T. Kobayashi & Mastani**.

†*Neodomatoceras* gen. nov. p. 97 Domatoceratidae, genotype: *N. rarum* sp. nov. p. 98 pl. ix f. 3 Permian, Southern Ural, **V. E. Ruzhentzev et V. N. Shimanskii** Trav. Inst. paléont. Acad. Sci. URSS **50** 1954.

Neograhamites (?) *paulckeii* **nom. nov.** for *Kossmaticeras theoboldianum* Pauleke Ber. Naturf. Ges. Freiburg B 15 1907 : p. 54 pl. 7 (xvi) f.1, 1a not Stoliczka, Matsumoto Jap. J. Geol. Geogr. 26 1-2 1955 : p. 149.

†*Neohibolites minimus submedius* **var. nov.** Gault of Folkestone. Type in Brit. Mus., H. H. Swinnerton Palaeontogr. Soc. [Monogr.] 5 1955 : p. 77 pl. xvii f. 19-21.

†*Neolobites medeninensis* **sp. nov.** Cretaceous, Tunisia, E. Basse Bull. Soc. Sci. nat. Tunis, 6 1954 : p. 199 pl. 23 f. 1-11.

†*Neothrincoceras* **gen. nov.** Thrinoceratidae **fam. nov.** q. vide, V. E. Ruzhentzev & V. N. Shimanskii.

†*Neposiella* **gen. nov.** Ammonoidea, Cretaceous of Gebel Manzour (Moghara-Sinai-Egypt), I. G. El-din Mahmoud, C.R. Soc. géol. Fr. 14 1953 p. 286 [see also C.R. Soc. géol. Fr. 1952 p. 119, name without description].

†*Nybyoceras cryptum* **sp. nov.** Chazyan, North America, R. H. Flower J. Paleont. 29 5 1955 : p. 818 pl. 79 f. 2-3, 5-6; pl. 81 f. 3-4.

†*Ochetoceras* (*Campylites*) *frebaldi* p. 85 pl. 14 f. 1-47 text figs. 1-4; *O. (C.) evolutum* p. 93 pl. 14 f. 48-51 pl. 15 f. 1-29, O. Haas Bull. Amer. Mus. nat. Hist. 108 1 1955.

†*Oiophyllites* should be placed in the subfamily Haueroceratinae with *Hauericeras*, Matsumoto & Obata.

†*Omocyrtoceras* **gen. nov.** Erioliceratidae **fam. nov.** Ammonoidea: genotype: *O. errabundum* p. 380 f. 35; *O. mutabilis* p. 381 f. 36 **spp. nov.** Cretaceous, Zululand, E. van Hoepen S. Afr. J. Sci. 51 12 1955.

†*Ophiceras iwaiense* **sp. nov.** Triassic, Kwantō Massif, Japan, S. Sakagami Sci. Rep. Tokyo Kyoiku Daig. 4 1955 : p. 135 pl. 1 f. 1-9.

†*Orthocerotoidea* **superfam. nov.** Permian, Southern Ural, V. N. Shimanskii Trav. Inst. paléont. Acad. Sci. URSS 44 1954 : p. 95.

†*Parammatoceras* (?) *liebi* **sp. nov.** Jurassic, Switzerland, P. L. Maubeuge Schweiz. palaeont. Abh. 71 1955 : p. 32 pl. 6 f. 1a-c.

†*Pararhiphaeoceras* **gen. nov.** p. 107 Rhiphaeoceratidae, genotype: *Temnocheilus multituberculatum* Waagen var. *tastubensis* Kruglov, 1928; *P. tastubense* (Kruglov) **nom. nov.** p. 107 pl. x f. 5; *P. aktastense* p. 109 pl. x f. 6; *P. incallidum* p. 110 pl. x f. 7 **spp. nov.** Permian, Southern Ural, V. E. Ruzhentzev & V. N. Shimanskii Trav. Inst. paléont. Acad. Sci. U.S.S.R. 50 1954.

†*Parastenopoceras* **gen. nov.** p. 98 Domatoceratidae, genotype: *P. khvorovae* **sp. nov.** p. 99 pl. ix f. 4, 5. Permian, Southern Ural, V. E. Ruzhnetzev & V. N. Shimanskii Trav. Inst. paléont. Acad. Sci. URSS 50 1954.

†*Peripetoceras asselense* **sp. nov.** Permian, Southern Ural, V. E. Ruzhentzev & V. N. Shimanskii Trav. Inst. paléont. Acad. Sci. U.S.S.R. 50 1954 : p. 132 pl. xii f. 5.

†*Perisphinctes* Waagen 1869. Designation of type species, **Opinion 303**; *Perisphinctes* (*Properisphinctes*) *vicinus* p. 127 pl. 19 f. 22-23, pl. 20 f. 1-18 *P. (Prop.) filocostatus* p. 130 pl. 20 f. 19-36; *P. (Prop.) radiocostatus* f. 137 pl. 21 f. 32-46; *P. (Prop.) hermonis* p. 146 pl. 23 f. 16-42; *P. (Prop.) delicatulus* p. 149 pl. 23 f. 43-60 pl. 24 f. 1-18 **spp. nov.**, O. Haas Bull. Amer. Mus. nat. Hist. 108 1955; *Perisphinctes* (*Parabuliceras*?) *japonicus* **sp. nov.** Jurassic, Japan, H. Yabe Proc. Imp. Acad. Tokyo 19 9 1943 : p. 583 f. 1.

†*Permodomatoceras* **gen. nov.** Domatoceratidae, genotype: *P. trapezoidale* **sp. nov.** Permian, South Urals, V. E. Ruzhentzev et V. N. Shimanskii Trav. Inst. paléont. Acad. Sci. URSS 50 1954 : p. 95 pl. ix f. 2.

†*Peroniceras* de Grossouvre, emend. v. Hoepen, now included in Gauthiericeratidae **fam. nov.** Ammonoidea; *P. platycostatum* p. 367 f. 15-17; *P. undulato-carinatum* p. 369 f. 18-22 **spp. nov.** Cretaceous, Zululand, E. van Hoepen S. Afr. J. Sci. 51 12 1955.

†*Peroniceratidae*. Evolution, T. Matsumoto (1).

†*Platyceratidae*—association with echinoderms, A. L. Bowsher.

†*Poecilomorphus arisdorfensis* p. 35 pl. 6 f. 6a-c; *P. lauwilbergensis* p. 35 pl. 7 f. 1a-d; *P. buckmani* p. 36 pl. 7 f. 3a-c **spp. nov.** Jurassic, Switzerland, P. L. Maubeuge Schweiz. palaeont. Abh. 71 1955.

†*Polysphinctites ebrayoides* sp. nov. Bathonian [Jurassic] Dorset, **W. J. Arkell** Palaeontogr. Soc. (Monogr.) 5 1955 p. 138 pl. xvi f. 3.

†*Probillingsites kessleri* sp. nov. Ordovician, Colorado, **W. C. Sweet** (1) J. Palaeont. 29 1 1955 : p. 80 pl. 16 f. 1, 2.

†*Procerites* Siemiradzki 1898. Designation of type species, **Opinion 301**.

†*Proendoceras* "gen. nov." Proterocerameroceratidae, genotype: *Cameroceceras annuliferum* Flower, 1941, Paleontographica Americana, 3 12 p. 25 pl. 1 f. 9-10. Roubidoux, North America, **R. H. Flower** J. Paleont. 29 3 1955 : p. 350.

†*Proteoceras* gen. nov. Stereoplasmoderoceratidae genotype: *Oonoceras perkinsi* Ruedemann, 1906—*P. pulchrum* sp. nov. p. 825 pl. 80 f. 8-9 pl. 81 f. 8 Chazy, North America, **R. H. Flower** J. Paleont. 29 5 1955.

†*Protocanites lyoni* from Mississippian of Nevada, **W. M. Furnish** (1).

†*Pseudomuites* gen. nov. Pachydiscidae. Type species: *Pachydiscus ambiguus* Grossouvre Upper Senonian of Europe and India (?), **T. Matsumoto** Mem. Fac. Sci. Kyushu Univ. 5D 3 1955 : p. 169.

†*Pseudorthoceras simense* p. 100 pl. vi f. 6-8; *P. neumannae* p. 101 pl. vi f. 5 spp. nov. Permian, Southern Ural, **V. N. Shimanskii** Trav. Inst. paléont. Acad. Sci. URSS 44 1954.

†*Pseudotemnocheilus* gen. nov. p. 69 Tainoceratidae, type species *Nautilus posttuberculatus* Karpinsky, 1874 (= *N. tuberculatus* Verneuil, 1845); *P. posttuberculatum* (Karpinsky) p. 70 pl. vii f. 1 Permian, Southern Ural, **V. E. Ruzhentzev et V. N. Shimanskii** Trav. Inst. paléont. Acad. Sci. URSS 50 1954.

†*Puzosia willemventeri* sp. nov. Cretaceous, Zululand, **E. van Hoepen** S. Afr. J. Sci. 51 12 1955 : p. 357 f. 4, 5.

†*Rhiphaeoceras* gen. nov. Rhiphaeoceratidae fam. nov. q. v., **V. E. Ruzhentzev & V. N. Shimanskii**.

†*Rhiphaeoceratidae* fam. nov. p. 103 *Rhiphaeoceras* gen. nov. p. 103, genotype: *R. venustum* p. 105 pl. x f. 3, 4; *R. humile* p. 104 pl. x f. 2 spp. nov. Permian, Southern Ural, **V. E. Ruzhentzev et V. N. Shimanskii** Trav. Inst. paléont. Acad. Sci. U.S.S.R. 50 1954.

†*Rhiphaeonautilus* gen. nov. p. 116 Rhiphaeoceratidae, genotype: *R. curticostatus* sp. nov. p. 117 pl. x f. 8. Permian, Southern Ural, **V. E. Ruzhentzev & V. N. Shimanskii** Trav. Inst. paléont. Acad. Sci. U.S.S.R. 50 1954.

†*Rhynchoteuthis kaibabensis* sp. nov. Permian, Arizona [U.S.A.] **L. F. Brady** J. Palaeont. 29 1 1955 p. 104 pl. 21 f. 2-8.

†*Salfeldiella* (*Goretophylloceras*) *moreti* nom. nud.; *S. (Aphroditiceras) aphrodite venus* nom. nud. Cretaceous, Egypt, **I. G. E. Mahmoud** Bull. Inst. Egypt 36 1 1955 : p. 223.

†*Scyphoceras* gen. nov. Scyphoceratidae fam. nov. q. v., **Ruzhentzev & Shimanskii**.

†*Scyphoceratidae* fam. nov. p. 134; *Scyphoceras* gen. nov. p. 135 genotype: *S. dionysi* p. 136 pl. xii f. 6; *S. ellipticum* p. 137 pl. xiii f. 1-4, pl. xv f. 2; *S. angulatum* p. 137 pl. xiii f. 5 spp. nov. Permian, Southern Ural, **V. E. Ruzhentzev & V. N. Shimanskii** Trav. Inst. paléont. Acad. Sci. U.S.S.R. 50 1954.

†Seguenziceratidae—proposed suppression of this family-group name under the Plenary Powers, **W. J. Arkell** (2).

†*Shikhanoceras* gen. nov. Orthoceroidea p. 116—*S. sphaerophorum* sp. nov. p. 118 pl. 111 f. 1-9. Permian, Southern Ural, **V. N. Shimanskii** Trav. Inst. paléont. Acad. Sci. URSS 44 1954.

†*Sholakoceras* gen. nov. p. 111 Rhiphaeoceratidae genotype: *S. bisulcatum* p. 112 pl. xi f. 1; *S. transforme* p. 114 pl. xi f. 2; *S. privum* p. 115 pl. xi f. 3 spp. nov. Permian, Southern Ural, **V. E. Ruzhentzev & V. N. Shimanskii** Trav. Inst. paléont. Acad. Sci. U.S.S.R. 50 1954.

†*Simorthoceras* gen. nov. Orthoceroidea; *S. gracile* sp. nov. Permian, Southern Ural, **V. N. Shimanskii** Trav. Inst. paléont. Acad. Sci. URSS 44 1954 : p. 108 pl. 11 f. 7.

†*Solenites* Schlotheim, 1820 (an emendation of *Solennites* Schlotheim, 1813) proposed suppression of this genus by the Plenary Powers, **W. J. Arkell** (4).

†*Solennites* Schlotheim, 1813, proposed suppression of this genus by the Plenary Powers, **W. J. Arkell** (4)

†*Sphaeroceras* Bayle 1878. Validation, **Opinion 300**.

†*Stereospyroceras* gen. nov. Stereoplasmoceratidae: genotype: *Stereospyroceras champlainense* sp. nov. Chazy, North America, **R. H. Flower J. Paleont.** 29 5 1955: p. 827 pl. 81 f. 1, 9.

†*Storthoceras paucicostatum* sp. nov. Jurassic, New Caledonia, **J. Avias Sciences de la Terre, Nancy** 1 1-2 1953: p. 132 pl. xvii f. 1a-b, fig. 72a, c.

†*Strigites pseudostrigifer* sp. nov. Jurassic, Switzerland, **P. L. Maubeuge Schweiz. palaeont. Abh.** 71 1955: p. 31 pl. 11 f. 5; pl. 2 f. 8; pl. 5 f. 3.

†*Tabantaloceras* gen. nov. Bactritoidea p. 86 type species *T. planum* sp. nov. p. 87 pl. xi f. 4. Permian, Southern Ural, **V. N. Shimanskii Trav. Inst. Paléont. Acad. Sci. URSS** 44 1954.

†*Taramelliceras* (*Taramelliceras*) *obumbrans* p. 79 pl. 16 f. 1, f. 14d; *T. (Taramelliceras) pseudotrachinotum* p. 89 Abb. 1/30; *T. intersistens* p. 116 pl. 19 f. 27; *T. (Metahaploceras) semibarbarum* p. 139 Abb. 19/167 spp. nov.; *Taramelliceras costatum rivale* p. 100 pl. 17 f. 16; *T. costatum nodoserratum* p. 101 pl. 17 f. 15; *T. hauffianum rieberi* p. 108 Abb. 8/87; *T. pseudoflexuosum gracile* p. 119 pl. 19 f. 24; *T. klettgovianum modeli* pl. 19 f. 28; *T. kobyii quenstedti* p. 129 Abb. 16/138—subsp. nov. Jurassic, Germany, **H. Hölder Palaeontographica A** 106 3-6 1955.

†*Tarrantoceras* gen. nov. Acanthoceratidae type species *T. rotatile* p. 59 pl. 5 f. 1-10; *T. stantoni* p. 60 pl. 5 f. 11-21; *T. lillianense* p. 60 pl. 5 f. 22-27; *T. multicostatum* p. 61 pl. 6 f. 21-23 spp. nov. Cretaceous, North America, **L. W. Stephenson Prof. Pap. U.S. geol. Surv.** 274-C 1955.

†*Teichertia* gen. nov. p. 496-497 Nautiloidea. Type species: *Teichertia prora* sp. nov. p. 497, pl. 54 f. 1-8, this species is related to typical *Deltoidonautilus* Mid Eocene, Giralia Range, North West Cape area, Western Australia, **Glenister, Miller & Furnish J. Paleont.** 30 3 1956.

†*Teshioites* gen. nov. Pachydiscidae, p. 173 Type species: *Teshioites ryugensis* sp. 174 pl. 36 f. 1a, b, 2a, b; pl.

37 f. 3a b; text-f. 8a, b; *T. teshioensis* p. 177 pl. 3 f. 2a, b; pl. 35 f. 3a-c spp. nov. Upper Campanian (Cretaceous), Hokkaido & Saghalien, Japan, **T. Matsumoto Mem. Fac. Sci. Kyushu Univ.** 5D 3 1955.

†*Tetragonoceras* gen. nov. Erioliceratidae fam. nov. Ammonoidea: genotype: *T. robustum* sp. nov. Cretaceous, Zululand, **E. van Hoepen S. Afr. J. Sci.** 51 12 1955: p. 382 f. 37.

†Thrinoceratidae fam. nov. p. 118; Neothrinoceratidae gen. nov.; *N. uralicum* (Fredericks) p. 119 pl. xi f. 4, 5 nom. nov.; *N. soshkinae* p. 121 pl. xi f. 6 sp. nov. Permian, Southern Ural, **V. E. Ruzhentzev & V. N. Shimanskii Trav. Inst. paléont. Acad. Sci. U.S.S.R.** 50 1954.

†*Trigonellites* Parkinson, 1811, proposed suppression under the Plenary Powers of this genus and the species *T. lamellosus* and *T. latus*, **W. J. Arkell** (4).

†*Tylonautilus nodosocarínatus* (Roe-mer)—from Carboniferous of Oklahoma, **Miller & Furnish** (1).

†*Uhligella toucasiformis* 'nov. sp.' name without description. Cretaceous, Rumania, **D. Iacob Bul. sti. Acad. Republ. rom.** 5 3 1953: p. 665.

†*Urakawites* gen. nov. Pachydiscidae. Type species: *Pachydiscus rotalinoides* Yabe. Cretaceous, Japan, **T. Matsumoto Mem. Fac. Sci. Kyushu Univ.** 5D 3 1955: p. 167.

†*Uralorthoceras tzwetaëvae* sp. nov. Permian, Southern Ural, **V. N. Shimanskii in litt: in Devingtal, V. V. Doklad. An. S.S.S.R.** 81 6 1951: p. 1140. See also **Shimanskii Trav. Inst. paléont. Acad. Sci. URSS** 44 1954: p. 103.

†*Valdedorsella gignouxii* nom. nud. Cretaceous, Egypt, **I. G. E. Mahmoud Bull. Inst. Egypt.** 36 1 1955: p. 223.

†*Vasseuria occidentalis* Munier-Chalmas and its occurrence in the English Eocene, figs., **D. Curry**.

†*Venatoroceras* gen. nov. p. 139. Scyphoceratidae, genotype: *V. verae* sp. nov. p. 140 pl. xv f. 3 Permian, Southern Ural, **V. E. Ruzhentzev & V. N. Shimanskii Trav. Inst. paléont. Acad. Sci. U.S.S.R.** 50 1954.

†*Witchellia helvetica* p. 37 pl. 7 f. 4a, b; *W. (Maceratites) hansenbodensis* p. 38 pl. 1 f. 4; pl. 2 f. 2; pl. 3 f. 4a, b spp. nov. Jurassic, Switzerland, P. L. Maubeuge Schweiz. palaeont. Abh. 71 1955.

†*Yokoyamaoceras jimboi* (Yabe MS) p. 153 pl. ix f. 4a, b, 5a, b; Text-f. 13a, b; *Y. (?) mysticum* p. 155, pl. x f. 1a, b spp. nov. Cretaceous, Hokkaido, Japan, T. Matsumoto Jap. J. Geol. Geogr. 26 1955.

†*Zuluscapites* gen. nov. Palaeopli-

tidae p. 360 genotype: *Z. orycteropusi* sp. nov. p. 359 f. 6. Cretaceous, Zululand, E. van Hoepen S. Afr. J. Sci. 51 12 1955.

INCERTAE SEDIS

†*Neklania* nom. nov. for *Dalila* Barrande, 1881 (Lamellibranchiata) (non *Dalila* Thomson, 1858) Genotype: *Dalila* (recte *Neklania*) *obtusa* Barrande, 1881. Silurian, Bohemia, A. Přibyl & B. Růžička Přírod. Sborn. Ostravsk. Kraje 14 1-2 1953 : p. 57.